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Volume 156 No. 23 December 5,

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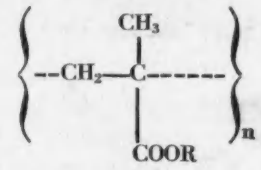

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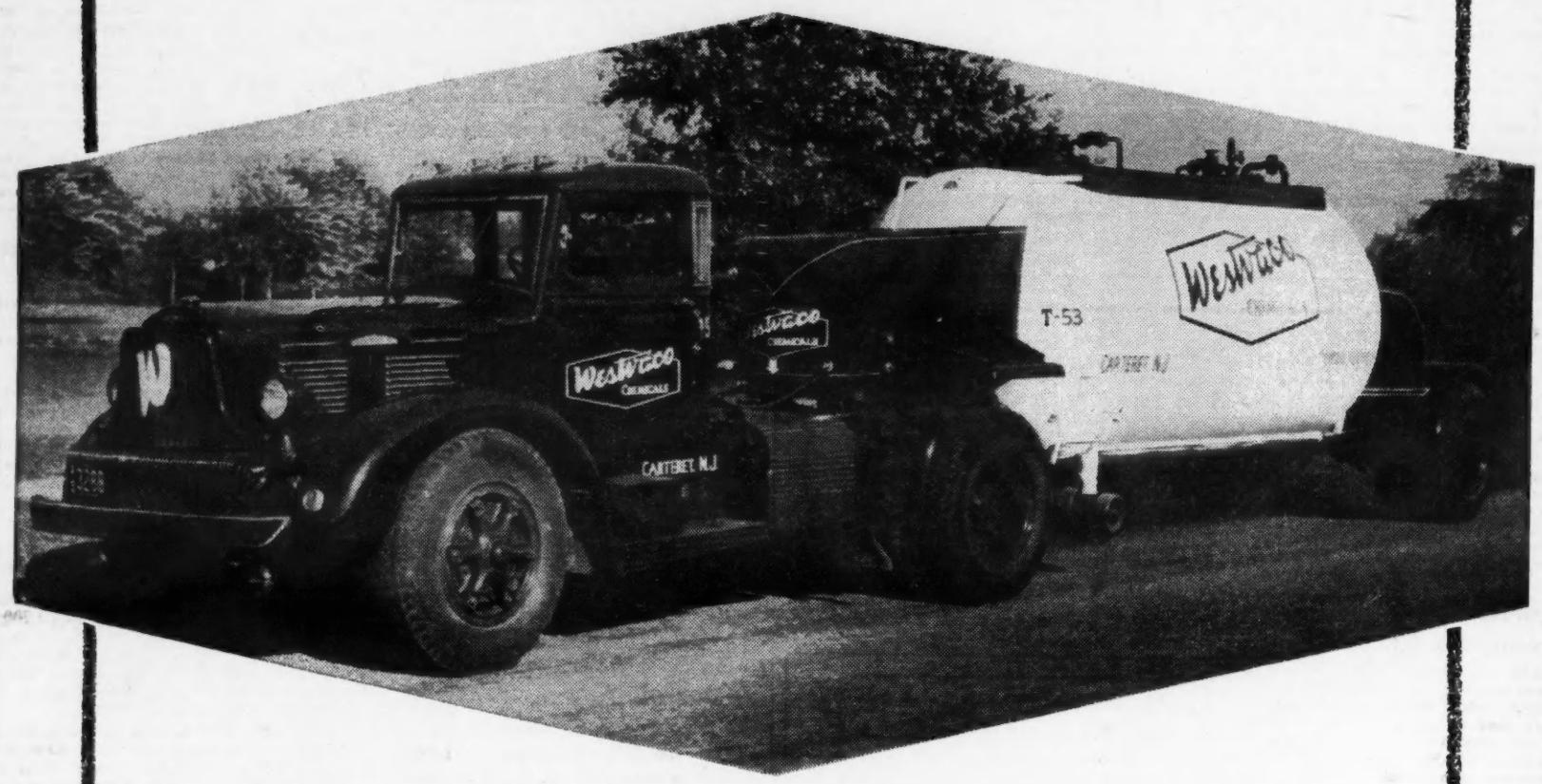

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Oil, Paint and Drug Reporter

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Naval Stores 1950 Loan Program Set

Prices of gum naval stores will be supported at 60 percent of parity during the 1950 crop year by the Commodity Credit Corporation, it was announced by the Department of Agriculture November 30.

CCC loans will be made available through the American Turpentine Farmers Association Cooperative of Valdosta, Ga., until December 31, 1950, on eligible naval stores produced in the calendar year 1950. The loans will be available to producer members who cooperate in the 1950 gum naval stores conservation program or otherwise follow good conservation practices as determined by the department.

The support level will be 60 percent of parity value of the gum naval stores production unit of 50 gallons of turpentine and 1,400 pounds of rosin. This value will be computed as of April 1, 1950, the beginning of the 1950-51 marketing season. The per unit support will be fixed throughout the loan period. Individual loan rates for turpentine and rosin may be revised from time to time though always maintaining the per unit support level.

The initial loan rates will be 40 cents per gallon of turpentine, bulk, with the remainder of the unit value applied within the legislative limits to rosin. No loan will be made on rosin below the grade "G."

Under the 1949 loan program, the support price was $114.08 per production unit, which amounted to 80 percent of parity at the time of the announcement of the program. Through November 22, loans were made on 2,990,981 gallons of turpentine or about 22 percent of the production to date; and 255,381 drums of rosin, representing about 33 percent of production to date.

Mineral Earth Pigments Production Off in 1948

Sales of natural mineral pigments and manufactured iron oxide pigments in the United States during 1948 totaled 111,317 short tons, as compared with 115,367 tons in the previous year, according to the Bureau of Mines. Sales of synthetic earth pigments accounted for more than one-third of the tonnage and more than 60 percent of the total value, the bureau said. Sales of the various pigments during 1948, as compared with 1947, were as follows, in short tons:—

	1948	1947
Mineral blacks	14,383	*
Precipitated magnetic blacks	1,585	*
Natural brown oxides (metallic browns)	5,862	5,861
Vandyke brown (finished pigment)	188	*
Sap brown	*	
Pure browns (96 percent or better iron oxides)	910	1,016
Natural red oxides	20,002	20,524
Pure red oxides (98 percent or better Fe_2O_3)	17,345	17,331
Venetian reds	5,361	7,127
Pyrite cinder	1,697	1,682
Other red iron oxides	15,104	18,817
Natural yellow oxides (high Fe_2O_3)	*	*
Pure yellows (85 percent or better Fe_2O_3)	9,734	10,496
Ochers (low Fe_2O_3)	6,769	9,130
Siennas—		
Burnt	973	940
Not burnt	1,072	1,441
Umbers—		
Burnt	3,085	3,051
Not burnt	711	671
Other	5,636	17,280
Total	111,317	115,367

* Included with "other."

Data for 1948 given in the above table were contributed by the following processors:—American Pigment Corporation, Pulaski, Va.; Blue Ridge Talc Company, Henry, Va.; Clinton Metallic Paint Company, Clinton, N. Y.; E. I. du Pont de Nemours & Co., Wilmington; Forche & Smith, Falls Creek, Pa.; Keystone Filler & Manufacturing Company, Muncy, Pa.; Magnetic Pigment Division, Columbian Carbon Company, New York; Mineral Pigments Corporation, Muirkirk, Md.; Minnesota Mining & Manufacturing Company, St. Paul.

National Aluminate Corporation, Chicago; New Riverside Ochre Company, Cartersville, Ga.; Penn Paint & Filler Company, Antes Fort, Pa.; Prince Manufacturing Company, Bowmanstown, Pa.; Reichard-Coulston, Inc., New York; Ricketson Mineral Color Works, Milwaukee; George B. Smith Chemical Works, Maple Park, Ill.; Synthetic Iron Color Company, Richmond, Calif., and C. K. Williams & Co., Easton, Pa., Emeryville, Calif., East St. Louis, Ill., and Warren, Ohio.

Price Trend Takes Nosedive

The overall index number for chemicals, oils and drugs reversed a two-week advancing trend last week and registered its sharpest decline since the last week in September. It dropped 1.3 points from the previous week and was 20.1 points below that of this time last year.

Where the 1.3 points decrease last September was principally due to currency devaluations, however, the latest weakening could be traced directly to market conditions. Prices on tin-based chemicals were reduced for the second consecutive week and tin oxide and crystals will be lowered further today. In addition, a recent decline in the metal finally forced down quotations in lead acetate. The outlook for heavy chemicals in December was not favorable. Uncertainty of coal stocks, approaching inventory period and expected holiday slackness were not influences to create unusual buying enthusiasm.

Conditions in the market for protective coating materials gave added impetus to the softening situation. Dry color manufacturers brought their schedules into line with lower pig lead costs by cutting prices on chrome pigments and molybdate orange. In addition, imported casein and orange shellac were lowered. Chemically-isolated soybean protein, however, will be sold at higher prices, effective December 8.

Reduction in prices for egg albumen, myrobalans and tapioca flour were of sufficient scope to offset advances in corn dextrin and cornstarch. In general, the market for textile and leather chemicals lacked much feature and demand was confined to immediate requirements. Highlight in the coaltar chemicals field was the return-to-work order handed down to coal miners by their union leaders. How long this resumption of mining activities would last was anybody's guess.

A bright spot in the general picture was strength in the market for oils and fats. Most buoyancy was attributable to government buying of crude soybean oil, coupled with a sharp cut in the allocation of peanuts for crushing. Again, however, this strength was offset by declines in copra, coconut and cottonseed oils and grease and tallow.

Interest in drugs and fine chemicals was routine. Only price changes were an advance in corn syrup and declines in camphor powder and lithium chloride. Present in the market for crude botanical drugs was the lethargy which always shows as the inventory period draws near. This also appeared in the flavoring materials division of the market. Both sections experienced a slackening in demand. This held true for essential oils and aromatic chemicals, where demand for prompt delivery was noted to have slowed.

Holding the interest in the market for agricultural chemicals were the strike-bound potash plants at Carlsbad, N. M., from which area not a pound of potash has been shipped in two weeks. About 85 percent of United States potash output comes from there and a prolonged shutdown will seriously curtail manufacturing of commercial fertilizer. Should the strike last for any prolonged length of time, there is little doubt but that it would seriously dislocate the entire fertilizer industry in its seasonal operations next Spring.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 2, 1949	Nov. 25, 1949	Dec. 3, 1948
124.5	125.8	144.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.3
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.5
May	131.2	146.7	146.1	135.1	118.2
June	128.7	147.3	143.9	135.4	121.9
July	128.1	145.9	142.5	137.7	125.5
August	128.9	144.4	140.4	136.6	128.2
September	129.1	144.3	141.9	137.0	130.4
October	126.6	143.7	146.1	143.1	133.2
November	125.7	144.4	149.7	149.2	135.1

Pesticides Potential In Near East Told

Marketing prospects in Egypt, Iran, Thailand and Turkey for organic pest control products were reviewed in reports made public last week by the chemical branch of the Office of International Trade. Among the significant statements contained in the reports on the outlook for American pest control products were the following:—

Egypt—Being an agricultural country and having a prolonged hot season, Egypt presents a good market for new pest control products. Except for DDT and benzene hexachloride, only small amounts of this group of commodities have been imported. The market could be developed, however, if United States manufacturers were willing to spend time, effort, and money to make their products known in Egypt.

Iran DDT Consumption

Iran—For some time to come the Ministry of Health will continue to be Iran's principal consumer of DDT and, if present plans are carried out, consumption will increase greatly. The Ministry of Agriculture also is a potential consumer; it has begun investigation of these new products and may experiment with some of them in 1950. Dealers are not optimistic regarding the prospects of large immediate increases in commercial sales of organic pest control products.

Thailand—No government decrees or regulations affect the manufacture of pest control products, but it is reported that the Department of Agriculture is drafting a comprehensive pest control law which is expected to be promulgated in the near future as a royal decree. A United Nation's World Health Organization malarial control team is now making a comprehensive survey preliminary to a control program throughout the kingdom.

Turkey—The Turkish government is emphasizing pest control in order to raise the level of agricultural products, and the farmer is beginning to realize the advantages of employing insecticides and related materials. Consumption of such products undoubtedly will increase greatly until their use becomes general throughout the country.

Industrial Pollution Hearing Promised by House Group

Industries have been promised a hearing by the ways and means committee of the house on legislation revising the Federal corporation income tax laws to encourage the construction of facilities for the treatment of industrial wastes which are causing problems of air and stream pollution.

No date has been assigned for the hearing, but a committee of industry representatives, formed recently to push such legislation, has been informed that it will be held early next session.

The bill proposes to amend the tax laws to provide that amounts paid for constructing plants for treating industrial waste be allowed an accelerated deduction in computing net income. While it gives no direct aid in the construction of plants, it would enable corporations to recoup at least a part of their costs. Representative John W. Byrnes of Wisconsin and Representative Thurmond Chatham of North Carolina are sponsoring the bill for industry.

Some Action to Date

The Federal government has long been concerned with the problem of pollution and various state governments have taken action to minimize the evil. Only last year, Congress passed the water pollution control act which gives financial aid to states and municipalities in their efforts to reduce pollution. No funds were made available, however, to strike directly at one of the major causes of pollution—discharge of industrial waste.

A group of industrialists meeting in Washington last week to form a committee to press for favorable action on the legislation pointed out that plants for the disposal or purification of industrial waste are costly and industrial corporations have not had available adequate funds to expend out of capital for unremunerative purposes, however much they may recognize the desirability.

The problem is serious to industry, they added, not only because of the question of health of the workers but from the further fact that industries are liable to suits by the Attorney General for polluting interstate waters under the provisions of the water pollution control act.

Synthetic Organics Output Tops in '48

Production of synthetic organic chemicals in the United States during 1948 reached a record total of 18,500,000,000 pounds, according to the Tariff Commission's annual report, released on November 29. Sales of the chemicals by producers totaled 9,500,000,000 pounds, valued at $2,200,000,000, with the remainder being used by producers for further processing.

Production of tar and petroleum crudes reached 23,000,000,000 pounds during the year. Slightly over 10,000,000,000 pounds of coaltar, water gas tar and oil gas tar were recovered from all sources in 1948, a slight increase over that recovered in 1947. All tar crudes, except motor benzene and creosote oil, increased in production in 1948 compared with 1947. Production of benzene, except motor, in 1948 reached 174,000,000 gallons, the second largest output on record and only slightly under the peak of 178,000,000 gallons in 1944.

Production of motor benzene in 1948, 10,500,000 gallons, was the lowest ever recorded in the commission's reports. The output of toluene amounted to 83,500,000 gallons, including production from petroleum, an increase of 37.4 percent over 1947. The output of xylene in 1948 exceeded that in 1947 by 47.7 percent. The output of crude products derived from petroleum and natural gas for chemical conversion increased to 3,900,000,000 pounds in 1948, from 3,100,000,000 pounds in 1947. Of this group, butadiene and other C_4 hydrocarbons were produced in the greatest amounts.

Intermediates Output Up

The output of cyclic intermediates in 1948 totaled 2,900,000,000 pounds, compared with 2,600,000,000 in 1947, an increase of 10 percent. Production of finished cyclic products in 1948 totaled 2,700,000,000 pounds, 8.6 percent larger than the output in 1947; production of acyclic finished products, including acyclic intermediates, totaled 12,900,000,000 pounds, or 19 percent larger than in 1947.

Among the individual groups of finished products, cyclic and acyclic combined, which increased substantially in volume of output in 1948 compared with 1947 were: surface-active agents, 29 percent; miscellaneous chemicals, 20 percent, and plastics and resin materials, 19 percent. Smaller increases were reported for lakes and toners, plasticizers, and flavor and perfume materials. Decreases, on the other hand, were reported for medicinals, 12 percent; dyes, 5.2 percent; rubber-processing chemicals, 5 percent, and elastomers, 2.5 percent.

Alcohol Plant Construction In Scotland Approved by ECA

Construction of a petroleum chemical plant at Grangemouth, Scotland, for the production of ethyl and isopropyl alcohol for use in Great Britain's plastics and rayon industries has been approved as an industrial recovery project, the Economic Cooperation Administration announced November 28 in Washington and London.

The project for British Petroleum Chemicals, Ltd., provides for the erection of plants for the production of ethyl alcohol and isopropyl alcohol as the first part of a three-stage construction program. ECA has approved the first stage of the program, which will cost the equivalent of $17,000,000, including $6,500,000 in ECA funds to cover engineering fees and services and the purchase of special equipment in the United States. The remainder of the construction costs and local currency to match the ECA funds will be furnished by the plant's joint owners, Distillers Company, Ltd., and the Anglo-Iranian Company, Ltd.

Peanut Quota, Acreage Set

The Department of Agriculture has set a marketing quota of 643,000 tons of 1950 crop peanuts and a national allotment of 2,100,000 acres, compared with the 1949 national allotment of 2,628,970 acres. Department officials explained that although the quota of 643,000 tons will be produced on 1,933,835 acres, public law 272 requires that the 1950 acreage allotment be not less than 2,100,000 acres.

FTC Plans to Rehear Arguments in 30 Cases

The Federal Trade Commission announced November 30 that it had decided to give the attorneys in some thirty cases that have been pending for over a year an opportunity to reargue the cases before the newly constituted commission.

The sweeping action came on a motion of Acting Chairman Lowell Mason, it was learned, who questioned the advisability of the commission proceeding to decide cases of which a majority of the members would have no knowledge except that read in the record.

Over the past twelve months, the complexion of the commission has been changed completely. At the time most of the thirty cases were first argued, the commission consisted of Robert Freer, Mr. Mason, Garland S. Ferguson, Edwin L. Davis and William A. Ayres. Now only Mr. Mason and Mr. Ayres remain.

Mr. Freer resigned last January 1; Commissioner Davis died several months ago, and Mr. Ferguson retired a few weeks ago. Two of the three vacancies have been filled by former Senator James Mead and by John Carson, former executive secretary of the Cooperative League of America.

It was the feeling of Mr. Mason that in view of the turnover on the commission not only were the respondents involved in the thirty cases entitled to a decision by members who heard the cases but the new commissioners themselves should have the opportunity to hear the questions involved discussed so that they would not have to wade through thousands of pages of record to find out what was involved.

Final Arguments Heard

The thirty cases opened to reargument are those in which final arguments had been heard previously but which had not been decided by the commission as then constituted. Included among the thirty were such important proceedings as National Lead Company, and others, involving practices in the sale of lead pigments, and several leading cosmetic concerns who have been charged with violating the Robinson-Patman Act in the matter of furnishing demonstrators.

The announcement of the commission stated that the respondents are not required to reargue the cases if they do not want to. They were advised that "the commission as now constituted is willing to hear reargument if you desire it, or is willing to consider the transcript of the previous argument along with the record in the case and reach a decision without reargument."

As tentatively scheduled, the reargruments will begin January 4, 1950, in the fifth floor hearing room of the Federal Trade Commission building, and continue into April. As the commission during this period also will be hearing oral arguments in other proceedings, the respondents in the thirty cases listed for reargument have been notified it will not be feasible for them to be heard except on the dates set.

Schedule of Dates

The schedule includes the names of respondents, the practices with which they are charged and the dates of the reargruments. Among the respondents are the following:—

National Lead Company, New York, and others, February 1 and 2. Conspiracy to promote and maintain monopolistic and non-competitive practices in the sale of lead pigments.

Dial-Therm Company, South Bend, Ind., February 27. Misrepresentation of the

--Continued on page 68

Hardesty Offering New Fatty Acid for Greases

W. C. Hardesty Company, New York, has commenced marketing a new poly-unsaturate-free fatty acid developed specifically for use in grease manufacturing. Sold under tradename "Lubrex 45," the new material is said to have a precisely controlled melting point of 45 degrees C. The fatty acids in "Lubrex 45" are said to be stabilized to give greater resistance to heat discoloration and its freedom from polyunsaturated fatty acids is said to prevent rancidity or gum formation.

Antara Appoints Terry Technical Service Head

Antara Products, a division of General Aniline & Film Corporation, New York, has appointed Dr. Daniel H. Terry manager of technical service. Dr. Terry, who has served as a process development chemist in the company's Grasselli, N. J., plant since 1945, was formerly associated with E. I. du Pont de Nemours & Co.

Advanced by du Pont

Joseph B. Dietz has been appointed manager of the industrial sales section of the finishes division of E. I. du Pont de Nemours & Co., Wilmington. He succeeds Henry E. Lackey, who is retiring. Mr. Dietz, who joined the company in 1924, has been assistant industrial sales manager since 1945.

Austria Gets ECA Funds For Minerals Purchases

Purchase of $120,000 worth of ferro wolfram of Japanese source and $40,000 of Chilean ferro manganese is contemplated by Austria under Marshall plan procurement authorizations 31-6602-88-6203, and 31-6602-94-6204, the ECA office of small business announced December 2.

Quotations from interested American suppliers must be in the hands of the Austrian importers prior to December 20, 1949. Offers must be firm at least until December 30 and must be accompanied by detailed analyses. It is understood that the Austrian government is requiring the analysis of ferro wolfram to be confirmed by certificates issued by Ledoux & Co., New York, or Benedict Ketto & Sons, London, and be guaranteed by the supplier.

Wyandotte Holds Fourth Annual Research Seminar

The research and development division of Wyandotte Chemicals Corporation, Wyandotte, Mich., held its fourth annual seminar recently at the Statler hotel, Detroit. Discussions of the company's current research and development program, reports from the plant research department and from the controllers division, and an exhibit entitled "Research in Action" were the highlights of the meeting.

Obituaries

Bernard R. Armour

Bernard R. Armour, president and director of the Heyden Chemical Corporation and American Aniline Products, Inc., died December 1 in Roosevelt hospital, New York. He was fifty-eight years old.

Mr. Armour also was chairman of the board of the American Potash & Chemical Corporation; president and a director of the Charles Hellmuth Printing Ink Corporation and the Hartford Rayon Corporation; treasurer and a director of the Ore & Chemical Corporation and United Zinc Smelting Corporation, and a director of the Ansbacher-Siegle Corporation, Aspinnook Corporation, Markt & Hammacher Company, New York Board of Trade, and Pell, Ltd.

A native of New York, Mr. Armour began his business career with the Swiss Colors Company of New York and eventually became an executive of the concern. This company was the parent firm of

Bernard R. Armour

American Aniline, which developed out of a series of mergers. He became active in Heyden in 1926.

Mr. Armour was a member of the board of directors of the American Association of Textile Chemists and Colorists; a charter member of the Chemist's Club; a member of the business executive and advisory committee of the New York City Department of Commerce, and director of the Chamber of Commerce of Israel.

Carl G. Amend

Carl G. Amend, director and former president of Eimer & Amend, manufacturing druggist, New York, died at his home in Brewster November 28. He was sixty-two years old. He joined the firm, which was founded by his grandfather, in 1907.

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ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries by the Economic Cooperation Administration during the period November 25 through December 1 were the following:—

To Austria—A decrease of $342,000 for lard and a decrease of $11,000 for linseed oil, from the United States.

To Belgium-Luxembourg—A decrease of $99,000 for petroleum products from Latin America and the Middle East.

To Denmark—Decreases of $79,000 for petroleum, $15,000 for zinc and $5,000 for oilcake and meal from the United States; a decrease of $18,000 for copra from the Philippines.

To France—$2,400,000 for oilcake and meal, and $7,000 for nitrogenous fertilizers from the United States.

To Greece—$1,000,000 for nitrogenous fertilizers, $300,000 for medicinal and pharmaceutical preparations, and $1,200,000 for petroleum from the United States; $400,000 for petroleum from the Middle East; $1,100,000 for hides and skins from Latin America; $25,000 for medicinal and pharmaceutical preparations from Canada.

To Italy—A decrease of $159,000 for naval stores from the United States.

To Korea—A decrease of $43,000 for fish oils from the United States.

To Trieste—$50,000 for gum rosin, $15,000 for gum turpentine, $50,000 for soybean oil, and $10,000 for zinc products from the United States.

To Trizone Germany—$1,018,000 for soybeans and $25,000 for medicinal and pharmaceutical preparations from the United States; $25,000 for medicinal and pharmaceutical preparations from Canada.

To United Kingdom—$9,750,000 for copper from Latin America.

Sterling Drug Acquires John Puhl Products Co.

Sterling Drug, Inc., New York, has acquired all the issued and outstanding stock of the John Puhl Products Company, cleaning products manufacturer, Chicago. Stanley H. Kord, who has been associated with the Puhl organization, has been retained as vice-president in charge of sales; W. G. Keswick, secretary of the company, will be in charge of manufacturing, and Floyd Spear, of the Sterling organization, has been named treasurer.

Calif. Standard Grants $250,000 Aid to MIT

Standard Oil Company of California has awarded a grant-in-aid totaling $250,000 to support the research program of the Massachusetts Institute of Technology. At the company's request, a substantial part of the grant is to be used specifically in support of chemical engineering and chemistry nuclear science and engineering, and "research subjects not encompassed by these fields but including lubrication, friction and wear, and corrosion."

Taber Named to U. S. Post On Int. Commerce Chamber

The United States council of the International Chamber of Commerce has appointed Norman S. Taber managing director. Mr. Taber was formerly budget director of the Economic Cooperation Administration, and is senior partner of Norman S. Taber & Co., government finance consultant firm, New York.

Patents Commissioner Named

John A. Marzall, of Chicago, was named commissioner of patents on December 2 by Secretary of Commerce Charles Sawyer. Mr. Marzall has been practising patent law in Chicago since 1927. For the past eleven years he was a partner in the Chicago patent law firm of Spencer, Marzall, Johnston & Cook. He succeeds Lawrence C. Kingsland, who resigned as commissioner on November 1.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Acetone dicarboxylic acid.
Acetyl ortho-cresotinic acid.
Acyldiazine.
Antimony pentasulphide.
Benzalin.
2-Naphthylmethylimidazoline nitrate.
2-Phenylbenzylaminomethylimidazoline sulphate.
Sodium thioantimoniate.
Trioctyl phosphate.

NWDA Names Chairmen Of Standing Committees

The National Wholesale Druggists Association has appointed chairmen of its standing committees for the 1949-1950 year. Heads of the various groups are:—

Entertainment, H. S. Thomas, Eastman Kodak Company; business program, E. T. T. Williams, Lambert Company; active membership, J. C. Davis III, Davis Brothers, Inc.; associate membership, David Moxley, Kiefer-Stewart Company; international section, associate membership, R. L. Hanson, McKesson & Robbins, Inc.; distribution, J. Mahlon Buck, Smith Kline & French, Inc.; employer and employee relations, O. L. Rafuse, McKesson & Robbins, Inc.; local associations, Lee W. Hutchins, Hazeltine & Perkins Drug Company.

Manufacturers, A. J. W. LeBien, Eli Lilly & Co.; statistical research, J. D. Cairns, McKesson & Robbins, Inc.; memorials, W. S. Auchincloss, OIL, PAINT AND DRUG REPORTER; operations, Fred C. Osmers, Tacoma Drug Company; rates and routes, R. B. Magnus, Magnus, Mabee & Reynard, and sales management, John J. Wever, McKesson & Robbins, Inc.

Merck & Co. to Expand Cortisone Availability

Merck & Co., manufacturing chemist, Rahway, N. J., announced November 28 that it believes its increased production of cortisone in the first half of 1950 will be sufficient to enable it to supply teaching medical centers with limited quantities for research purposes. The product is expected to be available at a hospital or institution price of $150 per gram.

The National Academy of Sciences committee on investigation of cortisone has announced that it will terminate its activities on December 31, and thereafter Merck & Co. will allocate and distribute its production. First priority will be given to various research projects for which cortisone already has been supplied and some for which applications are still under consideration by the committee, the company said.

APMA Plans 1951 Meeting

The American Pharmaceutical Manufacturers Association has scheduled its 1951 annual meeting for April 2 to 4 at the Boca Raton Club, Boca Raton, Fla. Robert A. Hardt, Hoffmann-La Roche, Inc., is chairman of the time and place committee.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Acetic acid, 78 percent, 71,000 kilos, Istanbul, Turkey (EV-1).

Aluminum sulphate, 27,250 kilos, Istanbul, Turkey (EV-1).

Ammonium chlorate, 99 percent, 100 kilos, Istanbul, Turkey (EV-1).

Ammonium sulphocyanate, 99 percent, 150 kilos, Istanbul, Turkey (EV-1).

Bentonite, Hamburg, Germany (EV-3).

Carbon bisulphide, double distilled, 400,000 kilos, Istanbul, Turkey (EV-1).

Caustic soda, not by electrolytic process, 1,000,000 kilos, Istanbul, Turkey (EV-1); Bogota, Colombia (EV-2).

Chromic acid, 99 percent, 500 kilos, Istanbul, Turkey (EV-1).

Formic acid, 85 percent, 6,500 kilos, Istanbul, Turkey (EV-1).

Glycerine, 92 percent, 2,500 kilos, Istanbul, Turkey (EV-1).

Insulating materials, Cairo, Egypt (EV-5).

Nonferrous metals, Amsterdam, Netherlands (EV-4).

Paraffin, Bogota, Columbia (EV-2).

Potassium bichromate, 66 percent CrO_3, 23,925 kilos, Istanbul, Turkey (EV-1).

Potassium bisulphite, 55 percent SO_2 300 kilos, Istanbul, Turkey (EV-1).

Potassium carbonate, 96 percent, 4,000 kilos, Istanbul, Turkey (EV-1).

Resins, Bogota, Colombia (EV-2).

Rongalite C, 99 percent, pulverized, 7,500 kilos, Istanbul, Turkey (EV-1).

Soda ash, 95 percent, 193,000 kilos, Istanbul, Turkey (EV-1); Bogota, Colombia (EV-2).

Sodium acetate, 60 percent, 2,850 kilos, Istanbul, Turkey (EV-1).

Sodium bichromate, 74 percent, 20,500 kilos, Istanbul, Turkey (EV-1).

Sodium bisulphite, 60 percent, 13,000 kilos, Istanbul, Turkey (EV-1).

Sodium hydrosulphite, pulverized, 90 percent, 26,500 kilos, Istanbul, Turkey (EV-1).

Sodium nitrate, 96 percent, 550 kilos, Istanbul, Turkey (EV-1).

Sodium perborate, 10 percent O pulverized, 550 kilos, Istanbul, Turkey (EV-1).

Sodium silicate (water glass), 38° Be minimum, 23,000 kilos, Istanbul, Turkey (EV-1).

Sodium sulphate, anhydride, 98-99 percent, 95,600 kilos, Istanbul, Turkey (EV-1).

Sodium sulphide, 60-62 percent, 171,000 kilos, Istanbul, Turkey (EV-1).

Sulphur, Karachi, Pakistan (EV-6—Agency).

Urea, 99 percent, 500 kilos, Istanbul, Turkey (EV-1).

Washington Talks It Over

By Ralph L. Cherry

New policies are in the making in the Federal Trade Commission. The agency has taken on an entirely new complexion as a result of the turnover of membership that brought in former-Senator James Mead and John Carson to fill the vacancies caused by the death of Edwin Davis and the retirement of Garland S. Ferguson.

It is too early to put a finger on anything definite in the way of a fundamental change in policies, but the action of the commission last week in calling for reargument of about thirty cases that have been hanging around for several years is of major significance. That statement comes from very high authority.

What to expect in the way of a "new look" in the commission is a more active attack on what are the real restraints of trade and not so much emphasis on piddling cases. A real effort is going to be made to move along faster in reaching decisions on pending questions and to build up the prestige of the agency as a defender of honest business practices.

Farm Prices Deflated

The golden era of price advantage enjoyed by farmers since November, 1941, has ended. The Department of Agriculture said that farm prices in mid-November failed for the first time since before the war to average out higher than parity.

The ratio of prices farmers received for their crops to prices they had to pay for things they bought was about the same as that which prevailed in 1910-14. Prices generally are said to be at "parity" when the 1910-14 ratio prevails.

The department reported continued declines in prices for hogs, corn, eggs, and cotton, among other products. These were only partially offset by a considerable increase in truck crop prices and a slight rise in prices for some food grains. Hog prices in mid-November were lower than at any time since price ceilings were lifted in 1946; while soybean prices dropped to their lowest point in five years.

Patents Are Available

The Department of Commerce reports that an increasing number of small manufacturers, seeking to diversify their output or to replace articles for which demand is slackening, are searching the Register of Patents Available for Licensing or Sale as a potential source of new products.

The register was established by the department in June, 1945, to assist manufacturers to reconvert more rapidly to peacetime production. It now contains about 75,000 patents covering a diverse assortment of products and processes. These patents have been registered by owners for licensing by others, or for direct sale in some cases, on terms to be agreed upon.

The department said that the file on wheelgoods, such as bicycles and baby carriages, has been the subject of a particularly keen search as it contains many patents of a useful nature which can be produced by small manufacturers with

—*Continued on page 34*

Bristol-Myers Plans Fight On FTC Tooth Paste Order

Bristol-Myers Company, New York, is marshalling its legal forces to contest an order of the Federal Trade Commission to discontinue alleged misrepresentation of the efficacy of its "Ipana" tooth paste, it was announced by the company last week.

The order, issued in FTC on November 29, called for the company to discontinue "misrepresentation" that massage with the paste is helpful to gums and teeth and that it is a favorite with dentists.

Lee H. Bristol, president of the firm, immediately declared that "to let the order stand as written would be against the public interest" and promised that every effort would be made to bring about a reconsideration of the FTC's views or a reversal of the order in court.

Air Reduction Sales Elects H.R. Salisbury

Air Reduction Sales Company, New York, has appointed H. R. Salisbury president. Appointed vice-presidents were:—H. F. Henriques, general sales; J. J. Lincoln jr., railroad sales and sales services; S. B. Stouffer, distribution, and N. L. Wisser, field office management.

Voted Pittsburgh Award

H. V. Churchill, chemist with the Aluminum Company of America who developed the techniques of aluminum analysis now used throughout the metallurgical industry, has been chosen to receive the 1949 Pittsburgh Award by the Pittsburgh section of the American Chemical Society. Cited for "distinguished service to chemistry," Mr. Churchill will receive the award at a dinner in the University Club of Pittsburgh on December 14.

Celanese Corp. Gets Award For Chemical Achievement

The Celanese Corporation of America was presented with the tenth annual "Chemical Engineering Achievement Award," sponsored by the McGraw-Hill Publishing Company, at a dinner at the Waldorf-Astoria hotel, New York, on December 1.

In accepting the award, Harold Blancke, president of the company, paid tribute to the group effort responsible for the expansion of Celanese' operations, and said that "the management of our company shares with you the conviction that the men and women who have applied the principles of chemical engineering to the development are worthy of the distinction which this award confers. Through their continued broad participation in the affairs of our company, we hope to enjoy with them the satisfaction of contributing to the welfare of mankind."

Dewey Principal Speaker

As featured speaker at the dinner, Bradley Dewey, president of Dewey & Almy Chemical Company, and wartime rubber director of the United States, charged the government with leaning heavily on the nation's big companies to help win the war and of then attacking them for the "crime" of being big.

In the event of another war, Mr. Dewey pointed out, the government would again have to call upon great and strong units of industry to defend the nation, "yet today we have the strange sight, the frightening picture of the defense arms of the government spending billions of dollars for our defense, while other arms of the same government seek to pull down and destroy our greatest defense asset—the bigness of the companies upon which we must rely in war."

Seated on the dais at the dinner were:—M. A. Williamson, vice-president, McGraw-

—*Continued on page 39*

Odor Reduction Process Demonstration Scheduled

Results of a new approach to the problems of eliminating objectionable odors of industrial products will be demonstrated at 44 Trinity place, New York, December 13 at 10:00 a.m.

The new approach has been developed by the chemical division of the 44 Trinity Place Corporation, industrial consultant. It is described as the beginning of a new science of odor reduction. Many objectionable odors which have defied previous attempts at their elimination are said to yield to the new methods.

Interested scientists and technologists will be admitted to the demonstration by invitation; because of limited space. Particulars may be got by communicating with Dr. Walt Phillips, director of research in the corporations chemical division, at the address above or by telephone —WHitehall 3-3158.

Chemical Show Viewed By 31,000 in Four Days

In the first four days of last week more than 31,000 persons visited the twenty-second Exposition of Chemical Industries, held at Grand Central Palace, New York. Exposition officials declared on Friday that this was running ahead of last year's mark, but refused to reveal how it compared with the record year of 1946, when attendance total was not divulged.

A wide variety of chemical materials, both new and old, were exhibited. Also on display were numerous packaging materials and multitudes of machinery and equipment for both the laboratory and manufacturing plant.

The Koppers Company, Pittsburgh, centered its display around the synthetic chemicals now being produced in commercial quantities by its chemical division, and a number of other compounds offered in limited quantities for research and development work.

Dibutyl, diethyl and dimethyl maleates were featured in the booth of Commercial Solvents Corporation, New York. The Davison Chemical Corporation, Baltimore, featured its silica gel and distributed technical data on the product.

Carbide Shows Textile Synthetic

The display of the Carbide & Carbon Chemicals Corporation, New York, was highlighted by "Dynel," its new textile synthetic. Atlas Powder Company, Wilmington, introduced its new series of "Hystrene" fatty acids, containing true stearic acid content as high as 97 percent. Also featured in this booth was the company's "Arlacel" series of nonionic emulsifiers for topical application formulas.

Animal, vegetable, liquid vegetable and hydrogenated fatty acids were on display in the booth of Emery Industries, Inc., Cincinnati. Also shown were the company's stearic and oleic acids. Victor Chemical Works, Chicago, displayed its various chemical products and distributed a new product list containing data on the individual compounds.

New Chrome Yellow

The chemical color division of Reichhold Chemicals, Inc., Brooklyn, N. Y., displayed its new CP chrome yellow medium, a new shade said to have a degree of lightfastness never before available in a chrome yellow.

The display of the National Lead Company, New York, featured its "Dythal" dibasic lead phthalate, "Plumb-O-Sil" inorganic, low tinting power stabilizer for plastics, and "Normasal" normal lead salt of salicylic acid. In another exhibit, the company's titanium alloy manufacturing division featured its titanium and zirconium industrial chemicals.

Hercules Powder Company, Wilmington, exhibited its rosin and terpene derivatives, as well as other products. Included were the company's "Rada" rosin amine D acetate and sodium carboxymethylcellulose.

Alrose Ion Exchanger

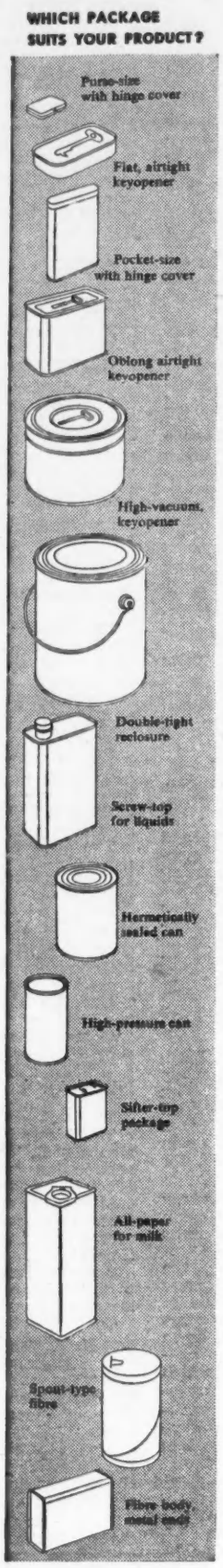
The Alrose Chemical Corporation, Cranston, R. I., featured an organic water soluble ion exchanger for use as a sequestering agent in the polymerization of cold rubber, to break down the miscible structure of stearate soaps, and for other uses. General Aniline & Film Corporation, New York, featured its carbonyl iron powder, said to have a particle size equivalent to fine talcum powder and to contain no metallic impurities.

The exhibit of Chas. Pfizer & Co., Brooklyn, N. Y., featured its antibiotics, industrial chemicals and its products for foods, beverages and feed. Oronite Chemical Company, chemical manufacturing subsidiary of Standard Oil Company of California, displayed its detergents and various petroleum chemicals. Foster D. Snell, Inc., New York consulting chemists and chemical engineers, emphasized the firm's activities in the field of market research.

The Bareco Oil Company booth displayed the description, properties, specifications and uses of its microcrystalline waxes. The special waxes are complex hydrocarbons separated from selected fractions of petroleum.

Pennsalt Plans Addition To Calvert City Plant

A new plant for the continuous process manufacture of its "Erusto" laundry sours is now being constructed by the Pennsylvania Salt Manufacturing Company, Philadelphia, as the first addition to its $2,000,000 plant recently put in operation at Calvert City, Ky. This addition is the first in a series, now under consideration, designed to use some of the hydrofluoric acid production as a basic material in the manufacture of Pennsalt's line of fluorine chemicals.



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Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, March 19-21.
American Association for the Advancement of Science, New York, December 26-31.
American Association of Economic Entomologists, Tampa Terrace hotel, Tampa, Fla., December 13-16
American Drug Manufacturers Association, Boca Raton Club, Boca Raton, Fla., March 27-30.
American Management Association, national packaging exposition, Navy Pier, Chicago, April 24-27.
American Society for Testing Materials, William Penn hotel, Pittsburgh, February 27-March 2.
Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.
Association of American Soap and Glycerine Producers, Plaza hotel, New York, January 25-26
American Spice Trade Association, Shawnee Inn, Shawnee-on-Delaware, Pa., May 21-24.
Canadian Gas Association, Manoir Richelieu hotel, Murray Bay, Quebec, June 19-24.
Chemical Market Research Association, Statler hotel, Detroit, February 2.
Compressed Gas Association, Waldorf-Astoria hotel, New York, January 23-24.
Drug, Chemical and Allied Trades Section, New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 9; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.
Druggists Supply Corporation, Statler hotel, New York, March 6-10.
Essential Oil Association, scientific section, McAlpin hotel, New York, December 8.
Flavoring Extract Manufacturers Association, Traymore hotel, Atlantic City, N. J., May 7-10.
Institute of Food Technologists, decennial conference, Edgewater Beach hotel, Chicago, May 21-25.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 7-13.
Metal Powder Show, Book-Cadillac hotel, Detroit, Mich., April 25-26.
National Association of Chain Drug Stores, Hollywood Beach hotel, Hollywood, Fla., April 11-14.
National Association of Manufacturers, Waldorf-Astoria hotel, New York, December 7-9.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 4-9.
National Butane-Propane Association, Congress hotel, Chicago, September 18-20.
Natural Gasoline Association of America, Texas hotel, Fort Worth, Tex., April 24-26.
National Petroleum Association, Cleveland hotel, Cleveland, April 12-14.
National Plastics Show, Navy Pier, Chicago, March 28-31.
National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 16-21.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., May 25-27.
Salesmen's Association of the American Chemical Industry, Christmas party, Astor hotel, New York December 14.
Society of Cosmetic Chemists, Savoy Plaza hotel, New York, December 8.
Society of Plastics Engineers, Carter hotel, Cleveland, Ohio, January 11-13.
Southern Paint and Varnish Production Club, Peabody hotel, Memphis, Tenn., March 8-10.
Synthetic Organic Chemical Manufacturers Association, annual meeting, Commodore hotel, December 7.
Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 7; annual meeting, Waldorf-Astoria hotel, New York, May 16-18.
United States Pharmacopoeia convention, Statler hotel, Washington, May 9-10.

Essential Oil Ass'n Scientific Program Set

The scientific section of the Essential Oil Association will hold its annual meeting at the McAlpin hotel, New York, on December 8. Discussions will be held on:—"Acetophenone," by Dr. C. F. Berlinghoff, S. B. Penick & Co.; "Anisic Aldehyde," by Dr. Louis Hediger, Trubek Laboratories; "Diphenyl Oxide," by Dr. A. H. Behr, Dow Chemical Company; "Ethyl Ester of Phenylacetic Acid," by Dr. A. Fiore, Givaudan-Delawanna, Inc.; "Methylacetophenone," by Dr. Berlinghoff; "Methyl Ester of Phenylacetic Acid," by Dr. Fiore; "Oil Lavandin," by Dr. G. V. Branigan, Ungerer & Co., and "Oil Sage Dalmatian," by Dr. E. Langenau, Fritzsche Brothers, Inc.

Phila.-Wilmington Color Group Meets December 7

The Philadelphia-Wilmington Color Group will meet at the Howard Johnson Restaurant on Route 1, near Media, Pa., on December 7. In response to members' requests for informal discussions of color problems, no speaker has been scheduled, and the meeting will be devoted to discussion of "Industrial Use of Color for Improved Operating Efficiency."

Butane-Propane Ass'n Board Meets Jan. 27-28

The board of directors of the National Butane-Propane Association will meet at the Baker hotel, Dallas, Tex., on January 27 and 28. Earle A. Clifford, National

APMA Seeks Greater Industry Representation on USP Board

A suggestion that the time is ripe for some modifications in the selection of the board of trustees and the committee of revisions of the United States Pharmacopoeia was voiced by Dr. Theodore G. Klumpp, president of Winthrop-Stearns, Inc., and president of the American Pharmaceutical Manufacturers Association, at the association's annual midyear meeting, held at the Waldorf-Astoria, New York, on November 28 to 30.

Up to the present, Dr. Klumpp, pointed out, their membership has been predominantly selected from the ranks of individuals working in academic fields. For instance, he said, the board of trustees of USP XII and XIII does not have a single

Dr. Theodore G. Klumpp

representative from the pharmaceutical, drug and chemical industries and yet these are the very industries to which the USP is primarily directed.

"On the committee of revision of sixty-two, as listed in USP XIII," Dr. Klumpp continued, "only four members are from the pharmaceutical industry and, of these, two are no longer actively identified with their concerns. Among the rest, six members are druggists and this raises an interesting thought.

"In the old days, the USP and the NF were principally intended for the use and guidance of the retail pharmacists in their compounding of prescriptions. The development of the modern drug industry has changed this emphasis and the major influence of these compendia of standards is now upon interstate commerce in drugs.

"Indeed, without the concept of interstate commerce, such as it is, the official compendia have no national legal basis for existence, and so these are books principally intended by law and usage for the regulation of the drug and pharmaceutical industry. It is true they also serve an important and indispensable function for the retail druggists and teaching institutions, but this does not change the basic facts which I have referred to—nor does it change the proposition that all groups should be fully represented.

"It may be said that those in academic pursuits can serve all interests impartially and fairly. While there is, of course, some truth to this idea, nevertheless, we must keep in mind that the function of the committees is not that of a judge or an arbitrator. It is a working body serving a legislative function and from that standpoint, experience and true representation are important elements. The theory of democratic government is government by representation. Teachers and those engaged in academic pursuits cannot be expected to be intimately and wholly familiar with the working problems confronting industry in the manufacture, packaging and sale of drugs.

Flaw in Academic Thinking

"I can, myself, bear testimony to the fact that I was abysmally ignorant of many of industry's problems that I had to deal with before I actually worked in industry. I still have a lot to learn about them. Some scientists on these committees have at times failed to realize that they were performing something more than an academic function, that their actions have a vast influence on a great industry and a substantial bearing on the cost of drugs to the public.

"It is true that there are considerations more important than cost, but they must learn from those that know that tests satisfying only academic curiosity, or restrictions serving no practical, useful purpose have no place among legal standards. They must also realize that as a member of this quasi legislative body they cannot sit in an ivory tower and insulate themselves from those they govern. I know from experience that this has happened.

"This is not to say that we don't want scientists in academic pursuits on these committees. We do, but we also feel that industry should have better representation on the committee of revision and the National Formulary committee. The practical experience of industry representatives, and the closer identification of industry with the work of the USP and the NF will stand these bodies in good stead and serve them well in the future. The committee on nominations of the USP is now studying the nominations submitted to make its recommendations to the USP convention in May. I have always been a strong supporter of the USP and NF. In the interest of a stronger, better, more nearly perfect USP, I urge the committee on nominations to give the drug industry an equitable representation in the nominations which it submits."

Effects of Devaluation

Effects of the devaluation of the currencies of various countries in the world provided subject matter for Earl I. McClintock, vice-president of Sterling Drug, Inc., who declared that Great Britain, for the immediate present, will benefit from her currency move but that there will be a gradual increase in the price level.

For American business, he said, there will be increasing competition in the export markets and, to a small extent, greater competition in the domestic market for some lines. Furthermore, he added, the United States shall have a decrease in exports to Sterling countries because of prohibitive prices.

"Day by day the problem of the American exporter becomes more difficult," Mr. McClintock declared. "Just how is he going to meet it? What markets will be open to him on a relatively free basis from America? The answer to this is relatively simple.

American Tourists' Dollars

"We can export to those countries from which we buy or to which we continue to loan dollars or make gifts. In addition, of course, there is a source of dollars from American tourists, remittances to relatives, and from service charges such as shipping and insurance. These latter sources are small indeed in comparison with the need. We might as well face the facts: — as our contributions abroad, whether by loan or gift are cut down, our export trade is going to shrink

"There is a dubious market for American goods behind the iron curtain. Russia has an unknown, but apparently a large, gold supply with which to buy from us what she urgently needs. There has been a large demand for many drugs, particularly antibiotics, from the satellite countries, but there is no sound basis for enduring trade from Eastern Europe.

Sterling Area Markets

"Thus, there are left the markets of the Sterling area, which contain about 45 percent of the world's population. There will be always a few dollars trickling into the Sterling dollar pool from our purchases of tin, rubber, cocoa, gold, jute, and the like but the amount in terms of our foreign trade needs will be insignificant. In my opinion, there is only one way to maintain and develop trade in the Sterling area, and that is for an American company to export to those markets through a subsidiary company or companies domiciled in the Sterling area.

"Needless to say, new dollar capital is welcomed by all Sterling countries. India and Pakistan alone, I believe, have restrictions on new companies, which require that a majority interest must be owned by natives. Elsewhere. you are free to own 100 percent of the capital. Thus far, there has not been any difficulty in bringing out dividends from England and South Africa. For the future, it is my judgment that as long as South Africa mines gold and we continue to buy it, American investors will receive their dividends from South Africa in dollars."

Pharmaceuticals Inventory Control

A discussion of inventory and financial control as it concerns the pharmaceutical and related products industry was presented by V. R. Bechtel, a director of the American Cyanamid Company.

The average inventory required from raw materials out through branch stocks, he said, is large in terms of number of months' supply. A six months' average inventory is an unusual inventory, and some run up to ten or twelve months, he

—*Continued on page 53*

AIChE Elects Officers; McCabe New President

Warren L. McCabe, vice-president and director of research of the Flintkote Company, was elected president of the American Institute of Chemical Engineers for 1950 at its forty-second annual meeting. At the same time it was announced that the members had elected as vice-president, T. H. Chilton, technical director of the development engineering division, E. I. du Pont de Nemours & Co. The present incumbents, S. L. Tyler, secretary, and C. R. DeLong, treasurer, were re-elected to these offices.

Four new directors were chosen. They are:—C. G. Kirkbride, vice-president in charge of research and development, Houdry Process Corporation; W. G. Whitman, head of department of chemical engineering, Massachusetts Institute of Technology; G. E. Holbrook, assistant director of the technical division, organic chemicals department, E. I. du Pont de Nemours & Co., and R. L. Murray, executive vice-president, Hooker Electrochemical Company.

Mr. McCabe, prior to his position as vice-president of the Flintkote Company, was head of department of chemical engineering, Carnegie Institute of Technology, to which he came from the University of Michigan, where he had been professor of chemical engineering.

The new vice-president, Thomas H. Chilton, has been with E. I. du Pont de Nemours & Co. since 1925, where he first began in process development and unit operations research for the chemical department. He is a graduate of the University of Alabama and Columbia University, and holds the Chandler Medal of Columbia University granted him in 1939.

DCAT Names Chairmen Of 1949-50 Committees

The Drug, Chemical and Allied Trades Section of the New York Board of Trade has appointed committees for the 1949-50 fiscal year. Chairmen of the various groups are as follows:—

Arbitration, E. L. Shattuck, Abbott Laboratories; auditing, Gerald L. Smith, American Home Products Company; bulletin, Lloyd L. Voelkening, Ivers-Lee Company; coordination, Dr. Carle M. Bigelow, Calco Chemical Division, American Cyanamid Company; finance, Hugh S. Crosson, McKesson & Robbins, Inc.; legislative, James G. Flanagan, S. B. Penick & Co.; membership, Charles M. Macauley, Prophy-lac-tic Brush Company; public relations, Murray Breese, Murray Breese Associates, and section activities, Charles P. Walker, jr., Citro Chemical Company.

Soap, Glycerin Makers Plan January Meeting

The Association of American Soap and Glycerine Producers will hold its twenty-third annual meeting at the Plaza hotel, New York, on January 25 and 26. In departures from practices followed at previous meetings, the association has scheduled its division meetings in successive order, rather than in concurrent fashion, and has eliminated panel meetings in favor of talks by prominent members of industry.

J. C. Faure, chief purchasing agent of Unilever, will discuss the world outlook for fats and oils at the morning session on January 28, and Secretary of Agriculture Charles Brannan will be the luncheon speaker on that day.

AATCC Names Chairmen Of Research Committees

The American Association of Textile Chemists and Colorists has appointed Charles Dorn, J. C. Penney Company, chairman of the research subcommittee on fastness to washing; Charles A. Seibert chairman of the research subcommittee on light fastness; H. G. Scull, A. M. Tenney Associates, chairman of an active research subcommittee on atmospheric fading of dyed acetate rayon, and Frederick T. Simon, Peerless Woolen Mills, chairman of the subcommittee on color, succeeding Dr. E. I. Stearns, Calco Chemical Division, American Cyanamid Company.

Minn. Engineering Show Set for February 21-24

The Minnesota Federation of Engineering Societies will hold its fifth annual exposition at the Minneapolis Armory on February 21 to 24. In addition to providing exhibition space, the armory contains a theatre where exhibitors will be able to show their education films at no cost. Brede, Inc., Minneapolis, is in charge of arrangements for the exposition.

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FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE 1818

Current Market Quotations

Chemicals and Related Materials

December 2, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic)			
Acenaphthene, m.p. below 92.5 C., dms., works	lb.	.40	—
above 92.5 C, dms., works	lb.	.50	—
Acetaldehyde, 99%, dms., c.l., works.	lb.	.11½-.12½	
l.c.l., works	lb.	.12 - .13	
tanks, works	lb.	.09½-.10½	
Acetaldol (see Aldol).			
Acetamide, CP, fib., dms	lb.	No prices.	
tech., fib. dms	lb.	.45	—
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald	lb.	.22	.23½
l.c.l., ton lots	lb.	.23	.24½
smaller lots	lb.	.26	.27½
USP, bbls., 2,000-lb. lots	lb.	.50	—
smaller lots	lb.	.56	—
Acetic anhydride, dms., c.l., frt. alld. E	lb.	.13	—
l.c.l., frt. alld. E	lb.	.14½	—
tanks, frt. alld. E	lb.	.11½	—
Acetoacetanilide, bbls., dlvd	lb.	.67½	—
fib. dms., c.l., dlvd	lb.	.66½	—
l.c.l., dlvd	lb.	.67½	—
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more	lb.	1.50	—
smaller lots, same basis	lb	1.75	—
Acetoacetorthochloranilide, bbls., dlvd	lb.	1.15	—
fib. dms., c.l., works	lb.	1.14	—
l.c.l., works	lb.	1.15	—
Acetoacetorthotoluidide, bbls., dlvd	lb.	.90	—
fib. dms., c.l., works	lb.	71	—
l.c.l.	lb.	.72	.78
Acetone, CP, dms., c.l., dlvd	lb.	.09	—
l.c.l., dlvd	lb.	.09½	.10
tanks, dlvd	lb.	.07½	—
Methyl (see M).			
Acetonitrile, dms., c.l., works	lb.	.43	—
l.c.l., works	lb.	.45	—
Acetophenetidin, USP, bbls., works, frt. equald	lb.	1.10	1.33
Acetophenone, cns., dms	lb.	1.30	1.85
tech., l.c.l., dms., works	lb.	.75	—
Acetoactoparaphenetidide, d m s., 500 lbs. or more, works.	lb.	1.65	—
smaller lots, same basis	lb	1.90	—
Acetyl chloride, cbys., works	lb.	.50	.60
Acetyltributyl citrate, dms	lb.	.43	.45
smaller pkgs	lb.	.48	.54
Acetyltriethyl citrate, dms	lb.	.36	.38
smaller pkgs	lb.	.41	.47
Acid, abietic, com'l, dms., c.l., works	lb.	.10	—
l.c.l., works	lb.	.1145-	—
cryst., dms., c.l., works	lb.	.05½-	—
l.c.l., works	lb.	.06	.06½
Acetic, com'l or redist., 28%, bbls	100 lbs.	4.00	—
56%, bbls	100 lbs.	7.00	—
70%, bbls	100 lbs.	8.40	—
80%, bbls	100 lbs.	9.40	—
glacial, synthetic, CP, dms., works	100 lbs.	13.00	—
cbys., works	100 lbs.	18.00	-22.00
USP, cbys., works	100 lbs.	13.50	-17.50
tech., dms., c.l., works	100 lbs.	9.00	- 9.50
l.c.l., works	100 lbs.	9.50	-10.00
tanks, works	100 lbs.	7.50	—

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots	lb.	.53	—
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis.	lb.	.48	—

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms	lb.	.49	—
smaller lots, dms	lb.	.49½-	.54½
Adipic, fib. dms., works	lb.	.26½-	—
Aminoacetic, NF, bbls., frt. adjusted	lb.	1.50	1.75
Anthranilic, resub., bbls	lb.	2.10	—
tech., bbls.	lb.	1.05	1.10
Arsenous, tech (see Arsenic white).			
USP (see Arsenic trioxide).			
Ascorbic, USP, dms., 500-kilo lots	kilo.	24.50	—
25-50 kilo lots	kilo.	25.00	—
10-kilo lots	kilo.	25.35	—
5-kilo lots	kilo.	25.70	—
bots., kilo lots	kilo.	26.41	—
500 grams	kilo.	27.47	—
Battery, cbys., c.l., E works.	100 lbs.	1.60	1.75
l.c.l., E. works	100 lbs.	2.15	2.85
Benzoic, tech., bbls., dms., 100 lbs. or more	lb.	43	—
USP, bbls., dms., 100 lbs. up	lb.	.54	—
Betaoxynaphthoic, bbls. works	lb.	1.25	—
Boric, tech., 99½%, cryst., bgs., c.l., works	ton.	115.25	—
ton lots, ex whse, N. Y. or Chi	ton.	160.00	—
less ton lots, same basis.	ton.	165.00	—
bbls., c.l., works	ton.	135.25	—
ton lots, ex whse., N. Y. or Chi	ton.	180.00	—
less ton lots, same basis.	ton.	185.00	—
bulk, c.l., works	ton.	111.75	—
gran., bgs., c.l., works	ton.	90.25	—
ton lots, ex whse., N. Y. or Chi	ton.	135.00	—
less ton lots, same basis.	ton.	140.00	—
bbls, c.l., works	ton.	110.25	—
ton lots, ex whse., N. Y. or Chi	ton.	155.00	—
less ton lots, same basis.	ton.	160.00	—
bulk c.l., works	ton.	86.75	—
powd., bgs., c.l., works	ton.	95.25	—
ton lots, ex whse., N. Y. or Chi	ton.	140.00	—

Acid, boric, tech., 99½%, powd., less ton lots, same basis.	ton.	145.00	—
bbls., c.l., works	ton.	115.25	—
ton lots, ex whse., N. Y. or Chi	ton.	160.00	—
less ton lots, same basis.	ton.	165.00	—
bulk, c.l., works	ton.	91.75	—
USP $25 per ton higher.			
Broener's, bbls	lb.	1.34	—
Butyric, 99%, dms., c.l., works	lb.	.34½	—
l.c.l., works	lb.	.35	—
tankcars, works	lb.	.33	—
Cacodylic, bots.	lb.	10.00	-11.00
Camphoric, natural, dms	lb.	5.00	- 5.65
synth., dms	lb.	4.00	- 4.75
Capric, tech., dms	lb.	.50	.50½
Caprylic, 99%, dms	lb.	.50	.50½
Castor oil, split, dms	lb.	.21	.22
Chlorosulphonic, dms., c.l., works.	lb.	.03	—
l.c.l., works	lb.	.03½	.04½
tanks, works	lb.	.02½	—
Chromic, 99½-99¾%, dms., c.l. works	lb.	.25½	—
l.c.l., works	lb.	.26	.27
USP, 5 lb. bots.	lb.	.82	—
Cinnamic, refd., bots	lb.	2.50	4.00
Citric, anhyd., gran., fine gran., dms., c.l.	lb.	.26½	—
10,000 lbs., 1 ship't	lb.	.27	—
smaller lots	lb.	.27½	—
kgs.	lb.	.28½	—
Anhydrous citric acid powder, higher.	½c. per lb.		
USP, cryst., dms., c.l.	lb.	.27½	—
10,000 lbs., 1 ship't	lb.	.28	—
smaller lots	lb	.28½	—
kgs.	lb.	.29½	—
gran., fine gran., dms., c.l.	lb.	.24½	—
10,000 lbs., 1 ship't	lb.	.25	—
smaller lots	lb.	.25½	—
kgs.	lb.	.26½	—
USP citric acid powder ½c. per lb higher.			
Cleve's, mixed, bbls	lb.	.65	66
Coconut oil, dist., dms	lb.	.23¼	.24¼
double dist., dms	lb.	.25¼	.26¼
Corn oil, s.d., dms	lb.	.10¼	.11¼
Cottonseed oil, dist., dms	lb.	.10¼	.11¼
Cresylic, dom., coaltar, 50% above 207°C, non-ret, dms., c.l., frt. equald	gal.	.91	—
l.c.l., non-ret, dms., same basis	gal.	.94	—
ret. dms. c.l., same basis	lb.	.88	—
l.c.l., same basis	lb.	.91	—
tanks, same basis	gal.	.80	—
50% at 204° to 207° C, c.l., non-ret. dms., same basis	gal.	.96	—
l.c.l., same basis	gal.	.99	—
ret, dms., c.l., same basis.	lb.	.93	—
l.c.l., same basis	lb.	.96	—
tanks, same basis	gal.	.85	—

Acid, cresylic, petroleum, 179°C. to 198°C., non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.85½	—
l.c.l., same basis	gal.	.87½	.89½
tanks, same basis	gal.	.75	—
195° to 213° C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.70½	—
l.c.l., same basis	gal.	.72½	.74½
tanks, same basis	gal.	.60	—
200° to 222° C, tanks, Wilmington, Cal	gal.	.60	—
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.65½	—
l.c.l., same basis	gal.	.67½	.69½
tanks, same basis	gal.	.55	—
220° to 242° C, tanks, Wilmington, Cal	gal.	.55	.58
237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.60½	—
l.c.l., same basis	gal.	.62½	.64½
tanks, same basis	gal.	.50	—
245° to 298° C, tanks, Wilmington, Cal	gal.	.50	—
295° to 325° C, tanks, Wilmington, Cal	gal.	.40	—
Crotonic, fib. dms., works	lb.	.29	—
Cyanoacetic, tech., bbls	lb.	.90	- 1.25
Desoxycholic	lb.	17.00	-22.00
Dichlorophenoxyacetic, (see "D", 2, 4-D)			
Diethylbarbituric (see Barbital).			
Diglycolic, bgs., works	lb.	.22	—
Ethylhexoic, dms., c.l., works	lb.	.31	—
l.c.l., works	lb.	.31½	—
tanks, works	lb.	.29½	—
F, bbls., works	lb.	1.87	1.93
Folic, bots., fib. ctns., kilo or more	gram.	2.00	—
Formic, 85%, cbys., c.l., works	lb.	.13	- .13½
l.c.l., works	lb.	.13½	- .14
90%, cbys., c.l., works	lb.	.13½	- .14
l.c.l., works	lb.	.14	- .14½
Fumaric, tech., bbls., dms	lb.	.30	.31
Gallic, NF V, bbls., 1,000-lb. lots	lb.	1.60	—
smaller lots	lb.	1.63	1.65
technical, bbls., 1,000-lb. lots	lb.	1.43	—
smaller lots	lb.	1.46	1.48
Gamma, bbls	lb.	1.20	—
Gluconic, tech., 50%, bots	lb.	.23	- .31
dms	lb.	.14	- —
kgs.	lb.	.16	—
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works	lb.	2.30	2.40
25 lb. lots	lb.	2.45	—
Glycerophosphoric, 35%, dms., works	lb.	2.15	- 2.25
Glycolic (see Acid, hydroxyacetic).			
H, 100% basis, bbls., works	lb.	.73½	—
Hydriodic, 45-47%, cbys	lb.	2.69	—
57%, cbys	lb.	2.83	2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E	lb.	.38	—
tech., 48%, cbys., dlvd E	lb.	.34	.36
34%, cbys., dlvd. E	lb	.35	.37

Acid, hydrochloric (see Acid, muriatic).			
Hydrocyanic, cyls., works	lb.	1.00	—
dilute, NF, 2%, 5-lb bots	lb.	.35	—
Hydrofluoric, anhyd., cyls., works.	lb.	.19	- .19¼
tanks, works	lb.	.16½	—
30%, wood or rubber, dms., works	lb.	.08½	- .09
70%, steel dms., works	lb.	.143	- .148
Hydrofluosilicic, 30-35%, bbls	lb.	.08	.09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila	lb.	.084	—
tanks, Belle, W Va., 100% basis	lb.	.065	—
Hypophosphorus, USP, djns	lb.	.75	- .77
J, bbls., works, 100% basis	lb.	2.50	- 2.85
L, bbls., works	lb.	.95	—
Lactic, edible, 50%, bbls., 20 or more	lb.	.16	.18
smaller lots	lb.	.17	.19
80%, bbls., 20 bbls. or more,	lb.	.285	.338
plastic grade, 50%, bbls., 20 or more	lb.	.19¾	—
10 or less	lb	.20¾	—
80%, bbls., 5 or less	lb.	.3493-	.3548
tech., 22%, bbls., l.l., works	100 lbs.	5.80	—
l.c.l., works	100 lbs.	6.20	—
cbys., works	100 lbs.	6.70	—
44%, bbls., c.l., works	100 lbs.	10.95	—
l.c.l., bbls., works	100 lbs.	11.35	—
cbys., works	100 lbs.	11.85	—
NF, 85%, cbys	lb.	.69	.72
Laurent's, bbls	lb.	.87	—
Lauric, dist., 85-90%, dms	lb.	.28	.28½
60%, dms.	lb.	.25	.25½
Linseed oil, reg. dist., dms	lb.	.2150-	.2210
water-white, dms	lb.	.2450-	.2510
Maleic, powd., dms	lb.	.30	.31
Anhydride (see M).			
Malic, dms.	lb.	.47	—
Mandelic, NF, dms., 1,000-lb. lots	lb.	1.85	—
smaller lots	lb.	1.90	2.10
Mixed, tanks, nitric unit	lb.	.05	.06
sulphuric unit	lb.	.0085	.009
Molybdic, dms., 85%-92%, works	lb.	.93	.95
Monochloroacetic, purified, flake, 99%, dms	lb.	.22½	.23½
tech., flake, 96-97%, bbls	lb.	.18	.19
Muriatic, 18°, cbys., c.l., E. works	100 lbs.	1.63	—
l.c.l., E. works	100 lbs.	2.05	- 2.75
tanks, E. works	ton.	18.00	—
20°, cbys., c.l., E. works	100 lbs.	1.90	—
tanks, E. works	ton.	20.00	—
22°, cbys., c.l., E. works	100 lbs.	2.40	—
tanks, E. works	ton.	25.00	—
CP, USP, consumers, cbys., extra, c.l., frt. equald	lb.	.07¾	—
l.c.l., same basis	lb.	.09¼	- 09¾
6 pint bottles extra, cs., c.l., frt. equald	lb.	.12¾	—
l.c.l., same basis	lb.	.14¼	- .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.			
Myristic, dist., dms	lb.	.45	Nom.
Naphthenic, 220-230 acidity, dms., works	lb.	.15	—
tanks, works	lb.	.12	—
230-240 acidity, dms., works	lb.	.22	—
tanks, works	lb.	.19	—
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)			
Naphthol (1)-5-sulphonic see Acid, L).			
Naphthol(1)-3-sulphonic,8-amino (see Acid, S).			
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).			
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)			
(2)-7-Sulphonic,2-amino (see Acid, J).			
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).			
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's).			
(2)-6-sulphonic (see Acid, Broener's).			
(2)-7-sulphonic (see Acid, F).			
(2)-1-sulphonic (see Acid, Tobias).			
Neville and Winther's, dms	lb.	.88	—
Nicotinic, USP, dms., works	kilo.	8.00	8.30
Nicotinic amide (see Nicotinamide).			
Nitric, 36° cbys., c.l., E. works	100 lbs.	5.00	—
l.c.l., E. works	100 lbs.	5.40	- 6.10
38°, cbys. c.l., E. works	100 lbs.	5.50	—
l.c.l., E. works	100 lbs.	5.90	- 6.60
40°, cbys., c.l., E. works	100 lbs.	6.00	- 6.50
l.c.l., E. works	100 lbs.	6.40	- 7.10
42°, cbys., c.l., E. works	100 lbs.	6.50	- 7.00
l.c.l., E. works	100 lbs.	6.90	- 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald	lb.	.11½	—
l.c.l., same basis	lb.	.13	- .13½
6 pint bottles extra, cs., c.l., frt. equald	lb.	.15¼	—
l.c.l., same basis	lb.	.17	18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.			
Octoic (see Acid, ethylhexoic).			
Oleic (see Oil, red).			
Oleum (see Acid, sulphuric, fuming).			
Orthocresotinic, dms., ton lots, works	lb.	.62	—
smaller lots, works	lb.	.64	—
Oxalic, bbls., c.l., works	lb.	.14¼	—
10,000 lbs., works	lb.	.14½	—
smaller lots, works	lb.	.15¼	- .15¼
Palm oil, white, dist., dms	lb.	.21¼	.21¾
Para-aminobenzoic, purified, dms., lots or more, works	100 lbs.	3.75	—
smaller lots, works	100 lbs.	3.85	- 4.00
technical, dms	lb.	1.84	—
Para-aminosalicylic, dms., 1,000-lb. lots or more, works	lb.	9.00	—
smaller lots, works	lb.	9.05	-10.00
Paramethylphenylcinchonic (see Neocinchophen).			
Paranitrobenzoic, cns.	lb.	.87	—
Paratoluidinmetasulphonic, bbls., works	lb.	.92	.95
Peanut oil, s.d., dms	lb.	.12¾	- .13¼
Perchloric, 60%, cbys., works	lb.	.58	.62
70-72%, cbys., works	lb.	.61	.66
Phenylacetic, bots	lb.	1.51	1.75
Phenylcinchoninic (see Cinchophen).			
Phenylglycollic (see Acid, mandelic).			

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral.
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	No.	number
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
artif.	artificial	E.	east	oz.	ounce
ASTM.	American Society for Testing Materials	e.p.	end point	Pac.	Pacific
		equald.	equalized	pf.	proof
Be.	Baume	F.	fahrenheit	phos.	phosphate
bgs.	bags	ferment.	fermentation	photo.	photographic
bbls.	barrels	ffa.	free fatty acid	pkgs.	packages
bls.	bales	ffc.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	fus.	fused	purif.	purified
C	centigrade	gal.	gallon	redist.	redistilled
cbys.	carboys	gran.	granular	refd.	refined
CD	completely denatured	grd.	ground	refy.	refinery
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	reg.	regular
cks.	casks	i.b.p.	initial boiling point	resub.	resublimed
c.l.	car lots	imp.	imported	ret.	returnable
cns.	cans	incl.	included	SD	specially denatured
col.	color	indust	industrial	s.d	single distilled
com'l	commercial	kgs.	kegs	S. E.	southeast
conc.	concentrated	lacq.	lacquer	secs.	seconds
CP	chemically pure	lb.	pound	s.g.	specific gravity
cps.	centipoises	l.c.l.	less than car lots	ship't	shipment
cryst.	crystal	liq.	liquid	solut.	solution
cs.	cases	m.a.p	mixed aniline point	s.u.	standard unit
ctns.	cartons	min.	minimum	synth.	synthetic
cyls.	cylinders	m.p.	melting point	tech.	technical
dbl.	double	N.	nitrogen	USP	U. S. Pharmacopoeia
denat.	denatured	nat.	natural	vis.	viscosity
dest.-dist.	destructive-distilled			VM&P	varnish makers & painters
dist.	dextrorotatory			W	west
dextro.	distilled			w.w.	water white
				whse	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

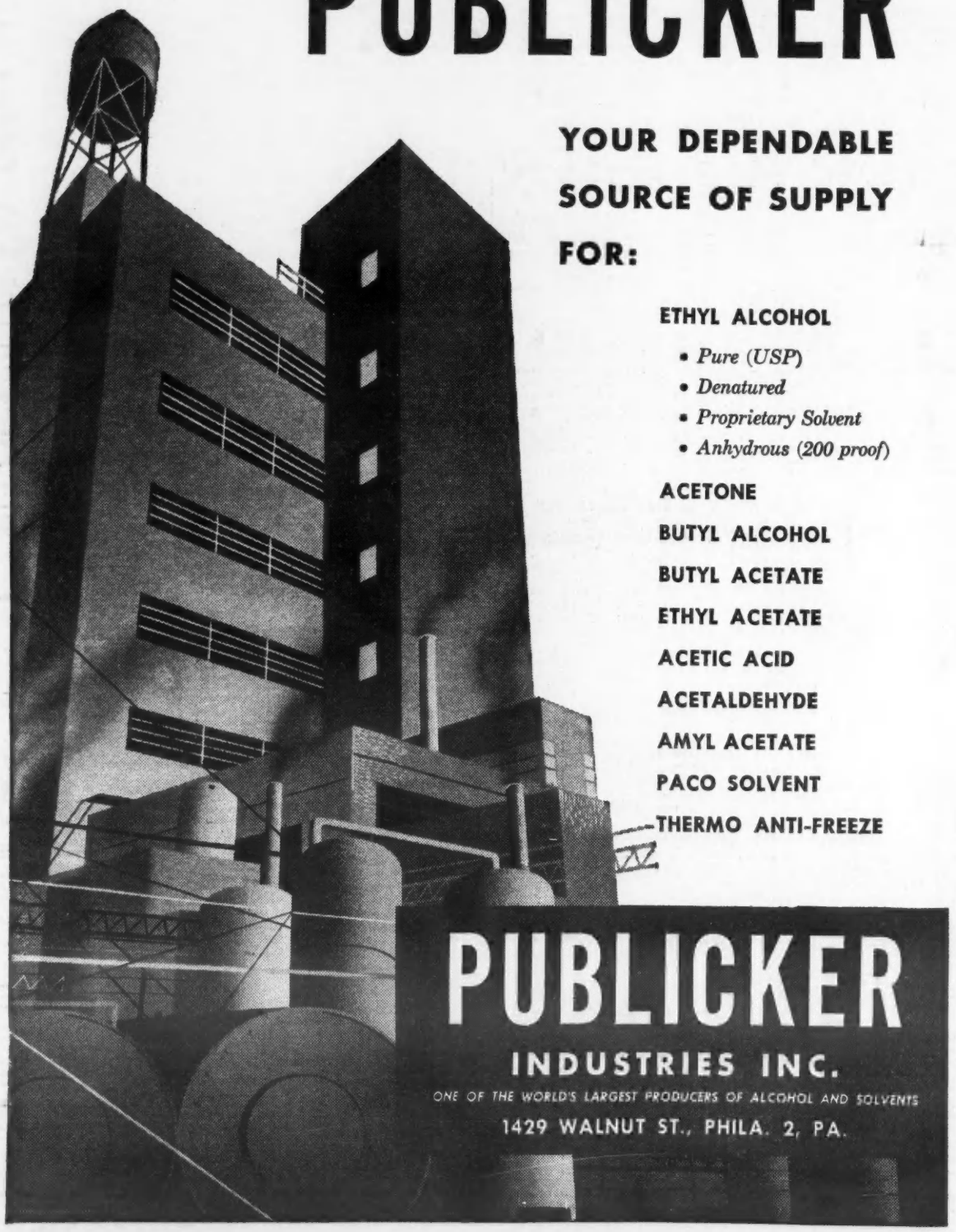
Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls. lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls. lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 3.45 - 3.60
Pyroligneous, dms. incl., l.c.l., ex whse gal. .41 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .28 - .31
smaller lots lb. .38 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .47 - —
l.c.l., works lb. .49 - .53
Soybean oil, single dist., dms lb. .11¾- .12¾
double dist., dms lb. .12¾- .13¾
Stearic, double pressed, bgs lb. .13¾- .14¾
single pressed, bgs lb. .13¼- .14¼
triple pressed, bgs lb. .16 - .17

Acid, succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .65 - .75
Sulphanilic, tech., dms., works lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton. 13.75 - —
66° Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 17.00 - —
96%, tanks, E. works ton. 18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton. 19.00 - —
Tallow, dist., dms lb. .09½- .10½
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't. lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .33 - .35

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.60 - 1.80
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots lb. 2.00 - 2.50
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls lb. .55 - .60
Root, bbls. lb. .60 - .70
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 78.00 - 85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.95 - 2.05
futures, bls. lb. 1.65 - 1.75
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls. lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 - 11.00
Albumen (egg) edible, flake, bbls. lb. 1.90 - 1.95
powd., bbls. lb. 1.95 - 2.00
tech., cryst., bbls lb. .80 - .90
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31½- —
works lb. .32½- —
l.c.l., dlvd lb. .32½- —
works lb. .33 - —
tanks, dlvd lb. .30 - —
works lb. .31 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 - —
l.c.l., frt. alld. E. of Miss lb. .17 - —
tanks, frt. alld. E. of Miss lb. .15 - —
(see also Fusel oil, ref.)

Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, dms. lb. .60 - .85
tech., dms., works, frt. equald. lb. .45 - .50
Butyl, normal, ferment, fil., ind. prod., dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
tankwagon, frt. alld lb. .13 - —
other production, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
synthetic, normal, dms., c.l., frt. alld lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12½- —
secondary, dms., c.l., frt. alld. lb. .11½- —
l.c.l., dlvd., frt. alld lb. .12 - —
tanks, dlvd., frt. alld lb. .10 - —
tertiary, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb 1.55 - —
Cinnamic, bots lb. 2.75 - 2.95
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .42½- —
l.c.l., dlvd. E. of Miss. R gal. .46½- .51½
tanks, dlvd. E. of Miss. R gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .41½- —
l.c.l., same basis gal. .45½- .50½
tanks, same basis gal. .31½- —
SD2B, dms., c.l., E. of Miss. R. gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .43 - —
l.c.l., same basis gal. .47 - .52
tanks, same basis gal. .33 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R. gal. .40½- —
l.c.l., same basis gal. .44½- .49½
tanks, same basis fal. .30½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R gal. .42½- —
l.c.l., same basis gal. .46½- .51½
tanks, same basis gal. .32½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal. 17.49 - —
l.c.l., same basis gal. 17.53 - 17.58
tanks, same basis gal. 17.39 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.44 - —
l.c.l., same basis gal. 18.48 - 18.53
tanks, same basis gal. 18.34 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l., works lb. .15 - —
tanks, dlvd lb. .12½- —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .38 - —
l.c.l., dlvd gal. .41 - —
tanks, dlvd gal. .28 - —
95%, dms. incl., c.l., dlvd gal. .39½- —
l.c.l., dlvd gal. .42½- —
tanks, dlvd gal. .29½- —
NF, 99%, dms. incl., c.l., dlvd. gal. .41 - —
l.c.l., dlvd gal. .44 - —
tanks, dlvd gal. .31 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½- —
works lb. .08 - —
l.c.l., dlvd lb. .10 - —
works lb. .08½- —
tanks, dlvd lb. .08 - —
works lb. .06½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., tib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .35 - .40
Allspice, Jamaica (see Pimento).
Mexican, bgs lb. .19 - .19½
Allyl bromide, cboys., 5,000 lbs., works. lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, Cape, cs lb. .21 - .23
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls. lb. .34 - —



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ANILINE OIL

Prime quality, in bond available for export, carload or less carload. Very attractive price.

CRESYLIC ACID

Produced by Wm. Butler & Co. (Bristol) Ltd., tar distillers since 1843 to meet the most exacting ADF specifications.

DIETHYLENE GLYCOL

Carload Drums or lcl; priced to sell

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We can regularly supply grades crystallizing at 28/29°C; 29/30°C; and 30/31°C.

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Denaturing grades 90% distilling at 160°C, and 90% distilling at 140°C; also the pure 2° Pyridine distilling at 114/117°C.

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TELEPHONE OREGON 9-2550

CABLE—"WILNEUBERG"

Alphapicoline—Antimony Oxide

Alphapicoline, ref. dms., c.l., works, frt. equald lb. .27 - .30
l.c.l., works, frt. equald lb. .29½ - .30
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots kilo.350.00 - —
Acetate, bots kilo.350.00 - —
Althea root, NF, peeled, bls lb. .30 - .40
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾ - .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾ - .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½ - .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .10½ - —
cryst., com'l, dms., c.l., works lb. .0650 - —
l.c.l., works lb. .0690 - —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼ - —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Aluminum formate, basic solution, cbys., c.l. lb. .09½ - —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 - 54.00
l.c.l., works ton.72.00 - 66.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼ - —
contract, works lb. .20¼ - —
9-9½% Al_2O_3, fib. dms., works lb. .18¼ - —
contract, works lb. .17¼ - —
dried, USP XII, fib. dms., works. lb. .79½ - —
contract, works lb. .76½ - —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .27 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½ - .25
Oleate, dms., precip lb. .35¼ - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12¼ - —
smaller lots, frt. alld lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
Aluminum oxide, crystalline, flour, classified, 600 mesh, dms., frt alld lb. .51 - .53
kgs., frt. alld lb. .50 - —
optical, floated, kgs., dlvd lb. .36 - .36
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 - —
jars, works lb.15.00 - 17.00

Aluminum oxide flour prices W of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39¼ - —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½ - —
rubber comp., dms lb. .48½ - —
unpolished, standard, dms lb. .44½ - —
varnish, standard, dms lb 49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .29 - —
l.c.l. lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 - 12.00
Aminoazotoluene, bbls lb. .97 - 1.03
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. .40 - —
Aminophylline, USP, bots., kgs lb. 6.00 - —
Aminopyrine, USP, bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 - 75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton.76.50 - 77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton.80.00 - 81.00
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton.80.00 - 81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l. lb. .05½ - —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb. .31 - .32
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms. lb. .18½ - .22
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.79 - 3.91
Linoleate, plastic, 80%, dms., works lb. .40½ - —
kgs., works lb. .42½ - —
25%, dms., frt. alld lb. .21½ - —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.63.00 - —
dom., bgs., western works ton.58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 - —
Oleate, dms., precip lb. .23¼ - —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½ - .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½ - —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½ - —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06¼ - —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton.45.00 - 50.00
converters', bulk, works ton.45.00 - 50.50
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½ - —
l.c.l., works lb. .15½ - —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys lb. 1.70 - 2.25
commercial, same basis lb. 1.40 - 1.95
Thiosulphate, jars lb. .32 - .36
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Hydrochloride, dextro, dibasic, bots. lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb. 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb. 6.50 - —
monobasic, dms lb. 6.00 - —
Sulphate, dextro, bots lb.36.00 - —
dextro-laevo, dms lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .16½ - —
l.c.l., dlvd lb. .17½ - —
tanks, dlvd lb. .15 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .76 - .81
Anethol, com'l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .65 - .70
imported, bls lb. .70 - .75
Angostura bark, bls lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld lb. .15 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .16 - .16½
Cyprus, bgs lb. .20 - .20½
Mexican, bgs. lb. .15 - .15½
Syrian, bgs lb. .15 - .15½
Anisic aldehyde, bots., dms lb. 2.10 - 2.35
Annatto paste, bxs lb. .32 - .33
Seed, bgs lb. .18 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .29 - .30
Metal, bulk, c.l., mines lb. .32 - —
Oxide, ceramic grade, bgs., c.l., frt. alld lb. .27 - —
l.c.l., frt. alld lb. .28 - —
paint grade, bgs., c.l., frt. alld. lb. .27 - —
l.c.l., frt. alld lb. .28 - —

Plastolein Fatty Acids

CONSISTENT HIGH QUALITY

EMERSOL* PROCESSED ...for

LIGHT INITIAL COLOR
COLOR STABILITY
UNIFORM COMPOSITION
LOW TITER

"PLASTOLEIN" 9305 FATTY ACID*

As indicated by its 5° C. maximum titer, this double-distilled "Emersol"-processed vegetable fatty acid has the lowest content of saturated acids of all products of this type available commercially. Its high Iodine value but low linolenic content, combines excellent drying characteristics with exceptional color stability.

This unusual product brings greater economy and efficiency to the manufacture of light-colored air-drying and baking alkyds.

"PLASTOLEIN" 9315 FATTY ACID*

Also made by the "Emersol" Process of selective solvent separation, this double-distilled vegetable fatty acid (Soya type) is much faster drying and higher in percentage of polyunsaturates than conventional fatty acids of this type. It is comparable with linseed fatty acids in this respect. Moreover, its effectiveness is not diluted by the presence of excessive amounts of saturated acids (note: low titer; 5° C. max.). This means superior performance, greater economy.

While 9315 is recommended primarily for air-drying finishes, it is used also in baking alkyds. It provides exceptional heat and light stability to these types of finishes.

EMERY M 461 R DIMER ACID

Available commercially for the first time, Emery's Dimer Acid has gained widespread acceptance among manufacturers. Dimers are dibasic acids which, in their simplest form can be represented as "dilinoleic" acids. They are viscous, tacky in nature, with an average molecular weight of 560. They undergo reactions typical of dibasic acids to form alkyds, polyamides, polyesters, special soaps and many other interesting products.

Of special interest is their use as partial or complete replacement of tung oil in the manufacture of fine varnishes. Another application is in the manufacture of less expensive varnishes which are superior to those now being made from ester-gum, tung oil combinations. Write for bulletin describing the properties and chemical reactions of Emery's M 461 R Dimer Acids.

*Emersol, a special patented process designed and engineered by Emery Research

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PLASTICIZERS
STEARIC ACID
OLEIC ACID
ANIMAL, VEGETABLE, FISH OIL FATTY ACIDS
TWITCHELL PRODUCTS

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss.....lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd.....lb. .20 - .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms.....lb. 2.35 - 2.45
Apomorphine, USP, bots. .....oz. 23.20 -23.70
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .22 - .25
Arecoline hydrobromide, NF, bots. .....oz. 5.00 - 5.75
Arginine hydrochloride, laevo kilo. 140.00 -150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica, flowers, bls.....lb. .45 - .75
root, bls.....lb. 1.45 - —
Arrowroot, powd., bgs.....lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt.....lb. .80 - .90
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide, USP, dms.....lb. .40 - .42
White, powd., bbls., c.l., dlvd.....lb. .05½- —
l.c.l., dlvd.....lb. .06¼- .06¾
Asafetida, cs.....lb. .32 - .35
powd., bbls., dms.....lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines..ton. 940.00 -960.00
No. 2, c.l. (20 tons), mines ton. 485.00 -492.00
Run-of-mine, c.l. (20 tons), mines..ton. 400.00 - —
Fiber, 3K, c.l. (20 tons), mines, ton. 313.00 - —
3R, c.l. (20 tons), mines..ton. 267.00 - —
3T, c.l. (20 tons), mines..ton. 249.50 - —
3Z, c.l. (20 tons), mines..ton. 231.00 - —
4K, c.l. (20 tons), mines..ton. 124.50 - —
4M, c.l. (20 tons), mines..ton. 124.00 - —
4T, c.l. (20 tons), mines..ton. 111.50 -141.00
4Z, c.l. (20 tons), mines..ton. 111.50 - —
5D, c.l. (20 tons), mines..ton. 88.00 - —
5K, c.l. (20 tons), mines..ton. 86.00 - —
5M, c.l. (20 tons), mines..ton. 84.00 - —
5R, c.l. (20 tons), mines..ton. 78.50 -79.00
6D, c.l. (30 tons), mines..ton. 58.00 -59.00
7D, c.l. 30 tons), mines..ton. 52.00 -52.50
7F, c.l. (30 tons), mines..ton. 49.00 -49.50
7H, c.l. (30 tons), mines..ton. 41.50 -42.00
7K, c.l. (30 tons), mines..ton. 35.00 -35.50
7M, c.l. (30 tons), mines..ton. 30.50 -31.00
7R, c.l. (30 tons), mines..ton. 29.50 -30.00
7T, c.l. (30 tons), mines..ton. 28.00 -28.50
7RF, c.l. (30 tons), mines..ton. 30.50 -31.00
7TF, c.l. (30 tons), mines..ton. 30.50 -31.00
8S, c.l. (30 tons), mines..ton. 19.00 -27.00

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery.....gal. .09 - —
Emulsion, tanks, tank wagon, refinery.....gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines..ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines..ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 36.50 - —
Manjak, No. 10, crude, dms., works..lb. .06½- —
process form, bgs., works..lb. .05¾- .15
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery..ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery.....ton. 21.00 - —
Atropine, USP, bots.....oz. 13.50 -14.00
Sulphate, USP, bots.....oz. 9.00 - 9.35

B

Bacitracin, bulk, unlabeled, topical, 2,000 units..vial. .40 - —
10,000 units.....vial. .78 - —
50,000 units.....vial. 2.86 - —
Balm of Gilead buds, dried, bgs..lb. 1.40 - 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs.....lb. .60 - .65
tree bark, bgs.....lb. .53 - .55
Barbital, USP, dms. .....lb. 4.50 - —
Sodium, USP, dms. .....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton. 72.50 -80.00
smaller lots, works.....ton. 82.50 -90.00
Chlorate, kgs., works. .....lb. .25½- .31
Chloride, NF, cryst., dms .....lb. .17 - .18
tech., bgs., c.l., works, frt. equald..ton. 90.00 - —
l.c.l., works. .....ton. 100.00 - —
Chromate, bgs., frt. equald.....lb. .31½- .32
Dioxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .12 - —
Hydrate, crystals, bgs. .....lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l.....lb. .34 - —
smaller lots .....lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls.....lb. .12½- .13
Sulphide, dms., c.l., works....ton. 55.00 - —
l.c.l., works .....ton. 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld..lb. .20 - —
l.c.l., works.....lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines..ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis..ton. 35.05 - —
l.c.l., same basis .....ton. 36.85 - —
ex whse., N. Y. .....ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines .....ton. 20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls.....lb. .75 - 1.10
Root, bls .....lb. .45 - .50
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms.....lb. .68 - —
tech., cbys., dms.....lb. .45 - —
Benzal chloride, cbys., works..lb. .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane)
12% gamma, tech., bgs., dms., c.l., works..lb. .24 - —
l.c.l., works .....lb. .26¼- —
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .16 - —
wet, distributors, dms., c.l., dlvd..lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
Benzidine base, bbls.....lb. 1.02 - —
Benzocaine, cns.....lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich..gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward Ala., Youngstown, Ohio. gal .20 - —

Benzophenone, dms.....lb. 1.13 - 1.79
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots..lb. .35 - —
less ton lots, same basis..lb. .37 - —
Benzoyl chloride, cbys., dms., c.l., works, frt. eq..lb. .20½- .21
l.c.l., same basis.....lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. .....lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .88 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald..lb. .19 - .19½
l.c.l., same basis.....lb. .20 - .20½
high grade, 2c. higher.
Cinnamate, cns.....lb. 3.00 - 4.00
Formate, cns .....lb. 1.60 - 3.50
Propionate, bots.....lb. 1.34 - 2.30
Salicylate, bots. .....lb. 1.55 - 2.25
Benzylidinacetone, bots. .....lb. 1.85 - 2.70
Benzylisoeugenol, bots .....lb. 8.90 - 9.00
Berberine, bisulphate, cns.....lb. 45.75 -48.00
Hydrochloride, bots. .....lb. 45.75 -48.00
Sulphate, cns. .....lb. 45.75 -48.00
Berberis root, bls.....lb. .35 - .40
Betagammapicoline, dms., c.l., works. lb. .21 - .23½
l.c.l., works.....lb. .21½- 24
Betamethylnaphthalene, m.p., 32°C., dms., works..lb. .90 - —
Betanaphthol, resublimed, dms., works..lb. .75 - —
tech., bbls., c.l., works.....lb. .30 - —
l.c.l., works .....lb. .32 - —
Benzoate, fib. dms., works.....lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., bbls., works..lb. .80 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.60 - —

Betapicolin, 90%-95%, dms., c.l., works..lb. 1.35 - —
98%, dms., c.l., works.....lb. 1.85 - —
Beth root, bls. .....lb .45 - .50
Biotin, cryst. .....gram. 12.50 - —
Bismuth chloride, jars.....lb. 3.93 - —
Bismuth citrate, USP VIII, jars..lb. 3.27 - —
Hydroxide, dms .....lb. 4.18 - —
Metal, bxs., ton lots.....lb. 2.00 - —
Nitrate, cryst., dms .....lb. 1.85 - —
Oxychloride, dms .....lb. 3.97 - —
Oxide, anhydrous, dms .....lb. 4.60 - —
Phenolsulphonate, fib. dms....lb 4.70 - —
Subcarbonate, USP, dms.....lb. 2.30 - —
Subgallate, NF, fib. dms.....lb. 2.75 - —
Subiodide, fib. dms. .....lb. 4.90 - —
Subnitrate, NF, dms .....lb. 2.30 - —
Subsalicylate, USP, dms.....lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms..lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point .....lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd.....lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works..lb. .0650- —
bgs., c.l., works .....lb. .0690- —
l.c.l., dlvd. or whse....lb. .117 - .1175
uncompressed, regular, bgs., c.l., works..lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .13¾- —
furnace, fast extruding, bgs., c.l., works..lb. .05½- —
ctns., l.c.l., whse .....lb. .09½- —

Antimony Salt—Bleaching Powder

Black, carbon, high modulus, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse .....lb. .09 - —
semi-reinforcing, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse .....lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse ....lb. .1125- .1179
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .10¾- —
l.c.l., works .....lb. .11 - —
Lamp, bgs., c.l., works.....lb. 07 - .30
Mineral, bgs., works .....lb. 0160- 0675
Black ash (see Barium sulphide).
Blackberry root, bls. .....lb .12 - .13
bark of root, bls .....lb. .30 - .32
Black dyes (see Dyes).
Black haw, root bark, bls .....lb. .70 - .80
Tree bark, bls .....lb. .28 - .30
Black Indian hemp root, bls.....lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works..ton. 77.50 - —
l.c.l., works.....ton. 85.00 - —
direct process, bgs., c.l., works..ton. 85.00 - —
l.c.l., works .....ton. 90.00 - —
N. Y. whse.....ton. 106.00 - —
bbls., c.l., works.....ton. 90.00 - —
l.c.l., works .....ton. 95.00 - —
N. Y. whse. .....ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis.....ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
l.c.l., works.....100 lbs. 5.00 - —

ANNOUNCING

New Commercial Production

Extra High Quality

CHROMIC ACID

FLAKE

TECHNICAL GRADE CrO_3

Newly-installed efficient equipment at our Newark, N. J., plant is now producing high-quality Chromic Acid Flake. Analyses by independent Testing Laboratories certify that this new production contains scarcely a "trace" of impurities . . . is consistently low in chlorides, sulphate and insolubles. It more than meets every requirement of the electroplating industry, as well as U. S. Government Specification AN-A-21.

Prompt shipment will be made from plant stocks, or from warehouse stocks spotted at strategic points.

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268 Doremus Ave., Newark 5, N. J. • 122 East 7th St., Los Angeles 14, Calif.

Blood, Dried—Citral

Blood, dried, 16-16½% ammo., bgs., unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 8.00 - —
soluble, bgs., c.l. lb. .16½- .17½
l.c.l. lb. .17½- .22
Bloodroot, bls lb. 43 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, obls., utno flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same nasis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb .45 - —
Soda, C.P., bronze, bbls., same basis lb .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb .14 —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb 3.75 —
Tungstic, bbls lb 3.75 —
Violet toner, molybdic, obls., same basis lb 1.24 —
Tungstic, kgs., same basis lb 2.60 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag, root, bls. lb 45 .50
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Boldo leaves, bls lb. .09 .12
Bone, raw, bulk, Chicago ton.75.00 —
junk, bulk, same basis ton.50 00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.65.00 - —
Chicago, works ton.65.00 - —

Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).

Boneset leaves, bls lb 14 16
Borage flowers, bls lb 40 45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 —
ton lots, ex whse, N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 —
ton lots, ex wnse, N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse, N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
powdered, 99½%, bgs., c.l., works ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.36.25 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb 15 21
l.c.l., same basis lb 16 - 23
Borneol, cns. lb. 2.75 - —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified cs., c.l., frt. alld. E. of Rockies lb 21 —
1,000 lbs., same basis lb. 23 - —
single pkgs., same basis lb. 28 —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, USP, bots lb. 1.50 - 1.70
cbys. lb. 1.42 —
Bromstyrol, bots lb. 4.85 6.25
Bronze powder, aluminum (see A)
Gold, litho., cans, dms., works lb. .50 .60
moulding, cans, dms., works lb. .80 1.00
printing ink, cans, dms., works lb. .95 1.10
radiator, cans, dms., works lb. .60 .65
Broomtop, bls. lb. 25 .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½ —
Oxide, metallic, bgs., works lb. .03 .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 -
Sienna, burnt, paper bags, c.l., works lb. .03¾- .14¾
l.c.l., works lb. 04 - .15
raw, paper bgs., c.l., works lb. 04 - .12½
l.c.l., works lb. .04¼ .12¾
Brown umber, burnt, American, c.l., bbls., works lb. 04¾- .05¾
l.c.l., bgs., works lb. 05 .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. 05¾ .07¾
l.c.l., works lb. .06 - .08
raw American, bgs., same basis lb. .03¾ .06
Turkey type, bgs., same basis lb. 06 .06¼
Vandyke, bbls., works lb. .09¾- .12
Brucine, cns., 100 ozs oz. .45 - —
Sulphate, NF, cns., 100 ozs oz. .35 - —
Bryonia root, bls lb. .29 - .35
Buchu leaves, bls lb. .75 - .80
Buckthorn bark, bls lb. .14 - .18
cut and sifted, bls lb. .23 - .25
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .20 - .26
Butaciene, cyls., refy lb. 19 - —
tanks, same basis lb. 11½ - —
Butane, indust., tanks, group 3 gal. .04 - —
Butternut bark, bls lb. .19 - .25
Butyl acetate, normal, ferment., ill., Ind., prod., dms., c.l., works, frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
tankwagons, same basis lb. .13 - —
other production, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
synthetic, normal, dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12½- —
secondary, dms., c.l., same basis lb. .11½- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18½- —
tanks, works lb. .16 - —
Ether (see Ether, butyl)
Isobutyl methacrylate, P-5, 50-50, cns., works lb. .60 —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. 42 —
Methacrylate, M-4, dms., works lb. 60 —
cns., works lb. 63 .67
P-4, cns., works lb. 65 —
Myristate, dms., works lb No prices.
Oleate, refd., dms., l.c.l., works lb .52 —
Phenylacetate, dms lb 2.00 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l. frt. alld. E. of Rockies lb .32 - —
l.c.l., same basis lb .33 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, reagent, jars lb. 2.64 - 2.65
Iodide, jars lb. 5.00 - 5.22
Litnopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb 2.00 - —
patent shapes, cs., dlvd lb 2.15 - —
Selenide (see Red).
Sulphide (see Yellow)
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots lb. 6.70 Nom.
Calabar beans, bgs., futures lb. 65 66
Calamine, USP, dms lb. .27 .29
Calamus root, dom., bgs lb. .27 .30
imported, bleached, bls lb. 70 Nom.
peeled, bls lb .30 .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram 4.00 - —
1,000 to 10,000 s.u., works gram 4.40 - —
less than 1,000 s.u. works gram 4.80 - —
in edible oil, dms., 10,000 or more .10 - —
1,000 to 10,000 s.u., works unit .11 - —
less than 1,000 s.u. works unit .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld lb. .09½- —
l.c.l., same basis lb. .10½- —
Bromide, NF, jars lb. 75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tank-cars ton. 9.00 - —
pellets, bgs., c.l. works ton29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30 00 -59.00
USP gran. bbls lb .30 —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms. dlvd E of Rockies lb .30 .50
Gluconate, AA, bbls., dms lb. .65 - 72
USP, bbls., dms lb. .58 .65
Glycerophosphate, NF, 6h. dms lb 1.65 1.80
Hydride, dms. works lb .90 —
Hypochlorite, 100 lb. dms., dlvd. E of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb .80 .83
Iodide, jars lb 4.12 —
Lactate, USP, dms lb .37 44
Mandelate, USP, dms., works lb. 2.10 2.25
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾ —
Nitrate, tech., works lb. 07 09
Pantothenate dextro jars gram 07½ —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP bgs., c.l., 100 lbs. 6.75 —
l.c.l. 100 lbs. 7.10 7.45
feed grade, bgs., 10 tons, works. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 —
l.c.l., works 100 lbs. 6.95 7.30
Phytate, bgs., works lb. .28 - —
Calcium resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton.45.00 - —
70%, bgs., c.l., works ton.50.00 - —
luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 1.50
fine particle size, dms., works lb. 1.50 1.75
Calendula flowers, bls lb. .50 .85
Calomel, USP, fine powd., dms., lb. 1.97 - 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.10 3.20
natural lbs. No prices.
synth., tech., bbls., 2,000 lbs. or more, works lb .42 - —
10 bbls. (1,500 lbs.) lb. .44¼- —
smaller lots lb. .45 .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
tablets, tins, 2,000-lb. lots lb. .73 - —
1,000-lb. lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. 1.00 - 1.30
powd., bxs. lb. 1.15 - 1.50
Russian, bgs lb. 4.50 - 5.00
powd., bxs. lb. 5.75 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.02 - 1.20
Caraway seed, Danish, bgs lb. .14½- .15
Dutch, bgs lb. .14 - .14½
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., same basis lb. .13½- —
tanks, same basis lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to common petitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb .0445 —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. 09 .11½
tech., dms., E. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., same basis lb. .08½- —
W of Rockies, c.l., f.o.b stock points lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-sodium—See CMC.
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
100-lb. lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, extra fancy, bold, cs lb. 3.45 - 3.50
bold, cs., afloat lb. 3.40 - 3.45
medium, cs. lb. 3.38 - 3.40
Coorges, cs., futures lb. 2.25 2.30
Cardamom fruit, decorticated, Guatemalan, cs., futures lb. 2.70 - 2.75
Indian, cs., futures lb. 2.70 - 2.75
green, Alleppey, bgs., afloat lb. 2.15 - 2.20
Ceylon, bgs. lb. 2.15 - 2.20
Seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, buik, 100 lbs. or more lb 5.50 —
smaller lots lb 5.65 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta. 10 mg 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk, grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. 67½- —
tins, works gm .62 - —
dry powder, 3,330 A units per gram lb 70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units, per gram lb. 37.50 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli units. .32 - —
dms., works milli units. .30 - —
3,330 A units per gram lb 85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli units. 50 - —
Carvol bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .28 .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .23 - .23½
premium, bgs., 10,000 lbs. or more, ship't point lb. .23 - .24
rennet-precip., bgs., 10,000 lbs. or more, ship't point lb. .28 Nom.
imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .18¾- .19
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls., lb. .27 - .28
broken, bls. lb. .26 - .27
short stick, bls lb. .23 - .24
China, Canton, rolls, select, cs. lb. .13 - .14
broken, bls. lb. .12 - .12½
Honan, rolls, scraped, bls lb. .16½- .17
broken, bls. lb. .15½- .16
unscraped, bls. lb. .14½- .15
broken, bls. lb. .14 - .14½
Yunnan, rolls, scraped, bls lb. .16½- .17
broken, bls. lb. .15½- .16
unscraped, bls. lb. .14½- .15
broken, bls. lb. .14 - .14½
Saigon, broken, bls lb. .28 - .29
medium, bls. lb. .37 .38
thin, bls. lb. .44 .45
Buds, China, bgs lb. .20 - .22
Cassia fistula, bskts lb .30 .35
Castor beans, bgs., Brazilian ports long ton.106.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.24.00 - —
Castoreum, nat., cns lb.12.00 45.00
synthetic, cns lb.24.00 —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb 4.00 - —
Catnip, bls lb .50 .55
Celery seed, French, bgs lb. .24½- .25
Indian, bgs. lb. .20½- .21
futures, bgs lb. .21 - .21½
Celluloid scrap (see Pyroxylin scrap.
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .33 - .36
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 .39
variegations, dms., l.c.l., same basis lb. .50 - .59
Cellulose acetate, molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 .61
regular black, dms., l.c.l., same basis lb. .44 .48
variegations, dms., l.c.l., same basis lb. .61 .66
Triacetate, flake, ctns., works, frt allo. on 100 lbs. or more lb. .40 - —
Cerium nydrate, dms., works lb 1.25 —
Oxalate, NF, bbls., bgs., works lb 70 - .79
Oxide, optical grade, bgs., under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmeuc, dentifrice, drugs, bgs., c.l., works lb 02¾- .05½
l.c.l., ex whse lb .04 - —
paint, bgs., c.l., works ton.40 00 —
papermakers, bgs. c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30 00 —
Chamomile flowers, Hungarian, cs. lb. .45 - .48
Roman, bls lb. .95 1.00
Charcoal, activated, USP, fib. dms., c.l., works lb .25 .32
5-ton lots, works lb. 26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb .23 - —
Hardwood, briquets, bulk, c.l., works ton.49.80 - —
bgs., c.l., works ton.51.80 - —
granular, bgs., incl. c.l., works. ton.46.80 -59.00
lump, bulk, c.l., works ton.38.80 -43.50
bgs., extra, returnable, c.l., works ton.41.80 -45.50
Pinewood, gran., powd., bgs., c.l. works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.35.00 - —
bulk, c.l., works, South ton.23.50 - —
bgs., l.c.l., works, South ton.40.00 -50.00
Willow, powd., bbls lb .06 .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. 0465- —
l.c.l., works lb. .0495- —
tanks, works lb. .0375- .0390
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .2170- .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton.10 00 -12.00
l.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white lump, bulk, c.l., ex dock Phila., Portland, Me gross ton.19.00 -40.00
powd., bgs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. 40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordane, agricultural, dms., l.c.l. stock points lb. .82 - 2.00
refined, dms., stock points lb. .97 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .13¼
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyts., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 4.00 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 2.90 - 3.00
Dihydrogen citrate, fib. dms., works, lb. 3.00 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs lb. .08 - .08½
8½%, bbls., cs. lb. No stocks
Fluoride, bbls., works lb .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb. .49 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs. oz. .71 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 3.70 - 4.05
Standard, dms., works lb. 3.50 - 3.85
Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, chys., cns., dms lb. 83 - .90
Cinnamon, Ceylon, No. 2, bls lb. .22 - .23
Citral, bots., cns lb. 3.60 - 5.05

Salute to our Suppliers

The dictum of Clausewitz touching on not extending the supply lines too far from the base is one that has held good through two wars and is equally good in commerce. Here at Strong Cobb, not only do we pay marked attention to the supply line, but as well to the whole supply service.

If a manufacturer choose carefully his suppliers, and the whole work together as a team, the chances of building an effective "outfit" are greatly enhanced. Choosing our suppliers and trying to work with them is a major objective at Strong Cobb. That together we have succeeded, represents victory for both...at which point we turn and offer our salute to our own service of supply and the many concerns who compose it...

We are grateful for the cooperation we have received from all of our suppliers—and acknowledge their contributions to the success of Strong Cobb.

Strong Cobb & Co. Inc.
2654 Lisbon Road, Cleveland 4, Ohio

GEORGE MILLER
President

Citronellal—Diatomaceous Earth

Citronellal, bots., dms	lb	2.50	7.75
Citronellol, bots., dms	lb	2.95	4.75
Civet, bots	oz.	4.00	5.00
artificial, bots	lb.	15.00	—
Clove, Madagascar, bls	lb.	.19	.19½
futures, bls.	lb.	No offering	
Zanzibar, bls.	lb.	.19½	.20
futures	lb.	.18½	.19
Clover tops, red, dom. bgs	lb	.55	65
imported, bgs	lb	No stocks	
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt alld	lb	63	—
smaller lots, same basis	lb	65	75
low and medium vis., ctns., 20,000 lbs or over, works, frt. alld	lb	60	—
smaller lots, same basis	lb	62	72
tech., low vis., dms., c.l., works	lb.	.30	—
l.c.l., works	lb.	.32	—
Coaltar, coal-gas, water-gas crude resale, dms., c.l., ex-whse.	gal.	25½	—
l.c.l., ex-whse	gal.	.25	—
tanks, ex-whse	gal.	.13½	—
refd., resale, bbls., c.l., ex-whse.	gal.	.24½	—
l.c.l., ex-whse	gal.	.26	—
tanks, ex-whse	gal.	.14½	—
Cobalt acetate, bbls., dlvd	lb	83½	—
Carbonate, powd., bgs., works	lb	1.65	—
feed grade, 49½% Co, kgs	lb	1.65	—
Chloride, kgs., works	lb	91¼	—
feed grade, 24.5% Co, kgs	lb	91¼	—
Hydrate, bbls	lb	2.13	—
feed grade, 62% Co, kgs	lb	2.13	—
Linoleate, paste, 6% Co, dms.	lb	57	—
solid, 8½%, Co, dms	lb	66½	—
8% Co, dms	lb.	62½	—

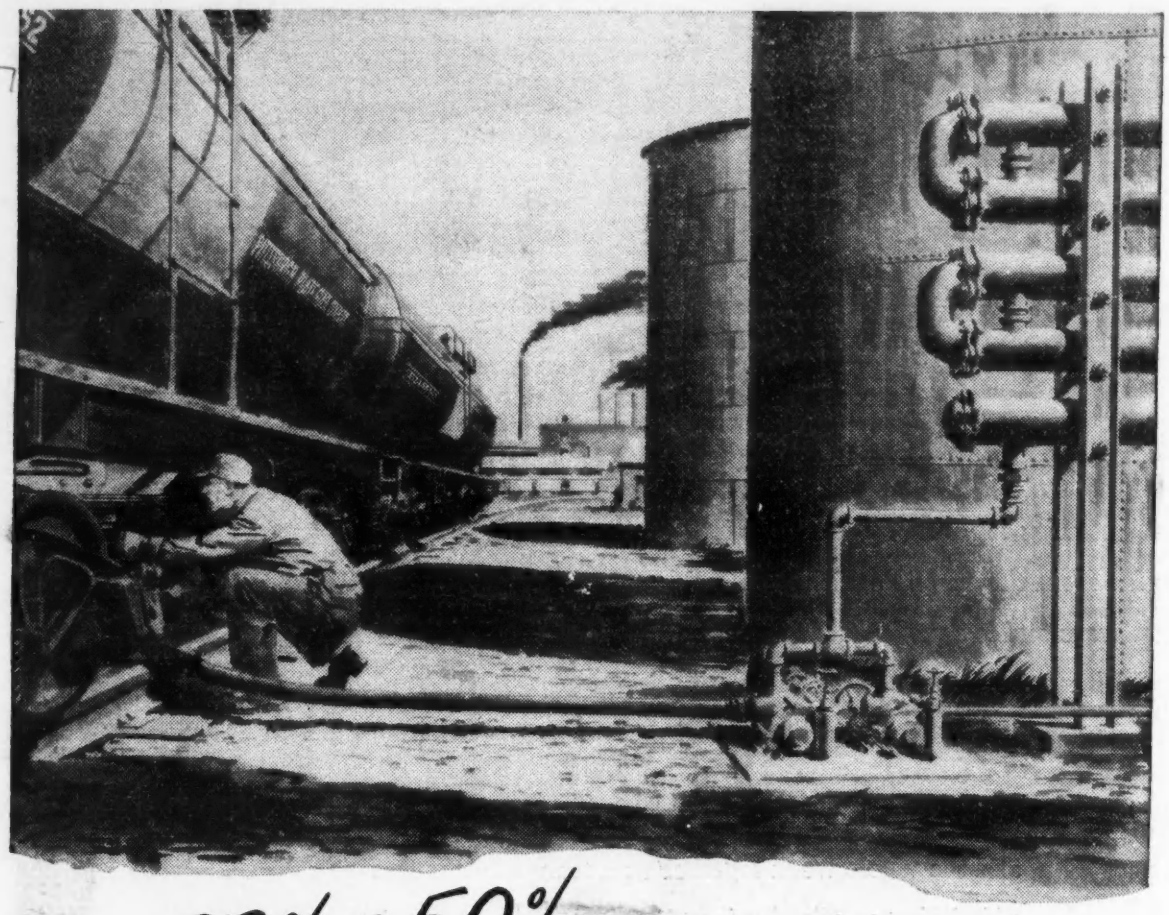
Cobalt metal, 97-99%, kgs., ex-whse.	lb.	1.80	—
under 100 lbs., ex-whse	lb.	1.82	1.87
Naphthenate, liq., 6% Co, dms.	lb.	.37¼	—
Nitrate, feed grade, 20.4% Co, bbls.	lb.	.78¾	—
Oxide, black, kgs	lb.	1.38	—
Phosphate, feed grade, 34%, Co, kgs	lb.	1.31¼	—
Resinate, fused, 3% Co, dms	lb.	.22¾	—
Sulphate, bgs.	lb.	68¼	—
feed grade, 21% Co, kgs	lb.	1.05	—
Cobalt salts, prices are on dlvd. basis			
Cobalt-ammonium sulphate, 14% Co, kgs	lb	75	—
Cocaine, USP, cns., 100-oz	oz.	15.00	—
Hydrochloride, cns., 100-oz. lots	oz.	11.75	—
Cochineal, gray, bgs	lb.	.67	.68
silver, Teneriffe, bgs	lb.	.69	.70
Cocillana bark bgs	lb.	.16	.17
Cocoa butter, bgs	lb.	.54	.54½
Codeine, NF, cns., 100 ozs	oz.	13.25	—
Hydrochloride, cns., 100 ozs	oz.	11.85	—
Phosphate, USP, cns., 100 ozs	oz.	10.25	—
Sulphate, USP, cns., 100 ozs	oz.	10.75	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb	.24	.26
Blue, root, bls	lb	.17	19
Colchicine, USP, bots., cns	oz.	86.00	96.00
Colchicum root, bls	lb.	.60	.70
Seed, bgs	lb.	2.25	2.50
Collodion, USP, dms	lb	.24	.29
Flexible, USP, dms	lb.	.25½	.30½
Colocynth, pulp, bls	lb.	.30	.35
Colombo root, bls	lb.	.18	.23
Coltsfoot leaves, bgs	lb.	.30	.35
Condurango bark, bgs	lb.	.18	.20
Copaiba balsam, cns., dms	lb.	.58	.60

Copper acetate, cupric, bbls., works	lb.	.28	—
smaller containers, works	lb.	.29	.30
Carbonate, 55%, bgs., works	lb.	.1860	.1960
Chloride, anhyd., bbls., works	lb.	.25½	—
crystals, bbls., works	lb.	.17¾	—
Citrate, USP, 5-lb bots	lb.	2.40	—
Cyanide, tech., bbls	lb.	.46½	—
Gluconate, dms., cns	lb.	3.00	3.20
Hydrate, dms., dlvd. E. Miss	lb.	.24¾	.25¼
Metal, electrolytic, dlvd	lb.	.18½	—
Naphthenate, liquid, 8% Cu, dms., frt. alld	lb.	.22¼	—
Nitrate, tech., cryst., bbls., works.	lb.	.22¼	—
Oleate, liquid, 8.5% Cu, bbls	lb.	.27	—
solid, 10% Cu, bbls	lb.	.39	—
Oxide, black, bbls., works	lb.	.25¾	.28⅛
red, com'l, bbls., works	lb.	.26¾	.30⅛
Oxychloride-sulphate, bgs., frt. alld	lb	24¼	27¼
Quinolate	lb.	3.50	—
Resinate, precip., dms. frt. alld.	lb.	.23½	—
Stearate, bgs., works	lb.	.39½	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	7.00	7.25
l.c.l.	100 lbs.	7.25	8.25
CP, cryst., gran., dms., works	lb.	.12¾	—
monohydrated, 35%, dms., c.l., dlvd	100 lbs.	11.90	13.00
tribasic, dealers, bgs., c.l., works	lb.	.1815	.2245
l.c.l., works	lb.	.2050	.2345
USP, gran., cryst., dms	lb.	.10	26
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.55	2.00
bbls., c.l., works	ton.	20.00	—
bulk, c.l., works	ton.	14.00	—
Copra, c.i.f., Atlantic, Gulf ports	ton.	182.50	—
Pacific ports	ton.	177.50	—

Coriander seed, Argentine, bgs., futures	lb.	.08¼	.08¾
Italian, bgs	lb.	.07	Nom.
Moroccan, bgs	lb.	.09	.09½
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	5.49	—
bbls., c.l., same basis	100 lbs.	5.55	—
Syrup, 42°, bbls., c.l.	100 lbs.	5.97	—
l.c.l.	100 lbs.	6.12	—
Cornsilk, bls	lb.	.15	.19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more	lb.	1.68	—
gran., powd., dms., 50 lbs. or more	lb	1.53	—
Cottonroot bark, bls	lb.	.25	.30
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton.		1.75	—
Meal, 41% protein, sacked, c.l., mills	ton.	64.00	65.00
Coumarin, cns., 25 lb	lb.	2.75	—
smaller lots	lb.	2.80	2.90
powd., cans	lb.	3.00	3.05
Cramp bark, NF, bls	lb.	.80	Nom.
Cranesbill root, bls	lb.	.28	.30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship	lb.	.29½	—
smaller lots	lb.	.30	.31
imported, kgs	lb.	.24	.26
Creosote, coaltar, crude, tanks, works, frt. equald	gal.	.14	.18
refined, dms., c.l., works	gal.	.38½	—
l.c.l., same basis	gal.	.39	—
tanks, same basis	gal.	.25	—
solution, 80%, tanks, works.	gal.	.20	—
NF, beechwood, bots, cbys	lb.	1.15	1.20
hardwood, bots, cbys	lb.	.85	—
Pinewood, dms	gal.	.31	.32
Carbonate, NF, bots., cbys	lb.	2.35	2.40
Cresol, tech., dry, above 207°C. non-non-ret. dms., c.l. frt. equald.	lb.	.1255	—
l.c.l. same basis	lb.	.1285	—
ret.-dms., c.l., same basis.	lb.	.1225	—
l.c.l. same basis	lb.	.1255	—
tanks, same basis	lb.	.1125	—
USP, non-ret., dms., c.l., same basis	lb.	.1230	—
l.c.l., same basis	lb.	.1310	—
ret., dms., c.l., same basis	lb.	.1250	—
l.c.l., same basis	lb.	.1280	—
tanks, same basis	lb.	.1150	—
Crotonaldehyde, 91-93%, dms., c.l works	lb.	.16½	—
l.c.l., works	lb.	.17	.20
Cryolite, nat., dealers, bgs., c.l., works	100 lbs.	12.75	—
bbls., l.c.l., works	100 lbs.	13.75	—
Cube root, powd., 5% rotenone, bgs., ton lots, works	lb.	.30	—
extract liquid 1% rotenone, dms., works	gal.	1.50	—
Cubeb berries, XX NF bgs	lb.	.35	.45
powd., cs.	lb.	.45	.55
Culvers root, bbls	lb.	.50	.60
Cumene, dms., c.l.	lb.	.08	—
l.c.l.	lb.	.09	—
tanks	gal.	.53	.56
Cumin seed, Morocco, bgs	lb.	.16	.16½
Persian, bgs.	lb.	.16	.16½
Syrian, bgs.	lb.	.16	.16½
Cutch, extract, 55% tannin, bgs., ex dock	lb.	.07	—
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk	unit-ton.	2.85	—
pulv., 21% N., bgs., same basis	unit-ton.	2.75	—
Cyclohexane, tech., dms., c.l., works.	lb.	.09½	.12⅛
l.c.l., works	lb.	.10	.13
tanks, works	lb.	.08	.11⅛
Cyclohexanol, tech., dms., c.l., works.	lb.	.21½	—
l.c.l., works	lb.	.22	—
tanks, works	lb.	.20	—
Cyclohexanone, tech., dms., c.l., works	lb.	26½	.30
l.c.l., works	lb	.27	.31
tanks, works	lb	.25	.29
Cyclohexylamine, dms., works	lb.	.34	—
Cyclopropane, USP 2 lb. cyls, works,	cyl.	40.00	—
6 oz. cyls., works	cyl.	10.50	—
Hospitals, cyls., 40 gal. lots	gal.	.32	—
100-gal. lots	gal.	.31	—
200-gal. lots	gal	.30	—

D

2, 4-D, bbls., c.l., works, frt. equald.	lb.	.43	—
l.c.l., same basis	lb.	.48	.55
Isopropyl ester, dms., c.l., works	lb.	.49	—
l.c.l., works	lb.	.54	.61
Damiana leaves, bls	lb.	.40	.45
Dandelion root, bls	lb.	.35	.40
DDD, tech., fine grd., fib. dms., c.l., works	lb.	.51	—
l.c.l., works	lb.	.51½	—
lump, fib dms., c.l., works	lb.	.49	—
l.c.l., works	lb.	.49½	—
DDT, fiber dms., c.l., works	lb.	.33	.34
smaller lots, works	lb.	.31	.34
Decanol, normal, tech., dms., c.l., dlvd	lb.	.34½	—
l.c.l., dlvd.	lb.	.36½	—
tanks, dlvd	lb	.32	—
Deertongue leaves, bls	lb.	.30	.35
Defluorinated phosphate, 65% b.p.l., paper bgs., works	ton	44.15	55.75
Rock, 14½%P, paper bgs., works	ton.	45.00	—
Degras, common, bbls	lb.	.11	12
Neutral, less 2% ffa., bbls	lb.	.22	.23
over 2% ffa., bbls	lb.	.21	.22
Derris root, 5% rotenone, powd	lb	.33	Nom
Dextrin, corn, British gum, paper bgs., c.l	100 lbs.	6.95	—
Chicago	100 lbs.	6.30	—
l.c.l.	100 lbs.	7.10	—
canary, paper bgs., c.l	100 lbs.	6.69	—
Chicago	100 lbs.	6.04	—
l.c.l.	100 lbs.	6.84	—
dark, paper bgs., c.l	100 lbs.	6.79	—
Chicago	100 lbs.	6.14	—
l.c.l.	100 lbs.	6.94	—
white, paper, bgs., c.l	100 lbs.	6.54	—
Chicago	100 lbs.	5.89	—
l.c.l.	100 lbs.	6.69	—
Corn dextrin in bgs., 17c. per 100 lbs. higher.			
Potato, bgs	lb.	11¼	11¾
Tapioca, pure, envelope, bgs	lb.	16	16½
Dextrose, USP, dms	lb	17¾	—
Diacetone (see Alcohol, diacetone)			
Diacetyl flavor grade, bots	lb	5.00	5.55
laboratory grade, bots	100 grams	4.50	—
tech., bots., works	lb	3.00	—
Diamyl ether (see Ether, amyl)			
Phthalate, dms., c.l., dlvd. E	lb	.35½	—
l.c.l., dlvd E	lb	.36½	—
tanks, dlvd. E	lb	.34	—
Diamylphenols, mixed, dms., c.l., works	lb	.31	—
l.c.l., works	lb	.32	—
tanks, works	lb	.30	—
Dianisidin, dms	lb	1.65	—
Diatomaceous earth, dom., bgs., c.l., Atlantic coast	ton.	50.00	52.00
California	ton.	38.00	40.00
l.c.l., ex whse	ton	80.00	—
purified, bgs., c.l., Atl. coast	ton.	62.00	—
California	ton.	50.00	—
l.c.l., ex whse	ton.	80.00	—



73% vs. 50%

LIQUID CAUSTIC SODA

increased freight rates require an up-to-date analysis of your delivered costs—basis NaOH

Many volume users of Caustic Soda are finding it advantageous to purchase 73% rather than 50% liquor. Substantial savings are thus realized through the greater Caustic content per car.

A patented Columbia process incorporates unloading and diluting in a single operation, in many cases permits present storage facilities to be used without alteration. You may find it profitable to use 73% Caustic. It's worth checking into. Write Pittsburgh Plate Glass Company, Columbia Chemical Division, Dept. CS-1, Fifth at Bellefield, Pittsburgh 13, Pennsylvania.

ARE YOU INTERESTED IN MORE FACTS? Your copy of the Columbia Caustic Soda Manual contains more detailed information on the use of 73% vs. 50% liquor. Additional data and recommendations are available from Columbia's Technical Service Department. Your inquiries are invited. Write to Dept. CS-1.

COLUMBIA CHEMICALS

CHICAGO • MINNEAPOLIS • BOSTON
NEW YORK • CINCINNATI
ST. LOUIS • CHARLOTTE • PITTSBURGH
CLEVELAND • PHILADELPHIA

PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS COMPANY

Diatomaceous earth, imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½- —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., cl., works lb. .55½- —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. 31½- —
tanks, dlvd lb. .29 - —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .51½- .52½
l.c.l., frt. alld lb. .52½- .53½
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works, lb. .54½- —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroetnane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, tib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½- —
l.c.l., dlvd lb. .51½- —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½- .35½
l.c.l., same basis lb. .35½- .36½
tanks, same basis lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½- .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., frt. alld lb. .66½- —
l.c.l., works lb. .67½- —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, USP, bots kilo. 260.00 -300.00
Digitalin, cryst., bots gram. 15.00 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms lb. .70 - .85
Digitoxin, USP, bots gram. 15.00 - —
Digycol laurate, dms lb. .34 .36
Oleate, light, dms lb. .26 .28
Stearate, dms lb. .27 .29
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 1.00
smaller containers lb. 1.05 1.40
Di-isobutyl ketone, dms., c.l. dlvd. lb. .14 - —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41½- —
l.c.l., same basis lb. .42½- —
tanks, same basis lb. .40 - —
Dillseed, natural, bgs lb. .11½- .12
dewhiskered, bgs lb. .12½- .13
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l. dlvd lb .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .69½- —
l.c.l., works lb. 70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., cl., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .38 - .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dinitroanilin, dms., frt. equald lb. 50 - —
Dinitrobenzene, crude, bbls lb. .16 - —
Dinitrochlorobenzene, 47%, m.p., c.l., dms lb. .13½- .14
l.c.l. lb. .14 - —
tanks lb. .13¼- —
Dinitrophenol, bbls. lb. .28 —
Dinitrotoluene, oily, dms lb. .07 .09
refd., dms. lb. .21 —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks, works lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .41½ —
l.c.l., frt. alld lb. .42½- —
tanks, frt. alld lb. .40 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, South gal. .36 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns. dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.50 3.75
Dipropyleneglycol, dms., c.l., frt. alld lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb .60 65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —

Diatomaceous Earth, Imported—Dyes, Coaltar, General Use

Doggrass root, dom., cut, bls lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood, Jamaica, bark, bls lb. .10 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 1.25
reeds, cs lb. 1.75 2.00
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns. lb. 35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 3.75
No. 2, cns. lb. 4.55 4.75
Red, FD&C, No. 1, cns. lb. 7.55 7.85
No. 2, cns. lb. 4.00 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb. 7.20 7.50
No. 32, cns. lb. 5.30 5.40
Yellow, FD&C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb. 20.70 - —
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns. lb. 17.45 - —
Violet, D&C, No. 1, cns. lb. 16.10 - —
No. 2, cns. lb. 16.10 - —
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb. 10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .80 - —
179 Azo rubine lb. .95 - —

Heyden
PENTEK®
PENTAERYTHRITOL
(TECHNICAL GRADE)
FINE
HEYDEN
CHEMICALS
For quality coatings, there is no substitute for PENTEK.
• • •
Assures higher resistance to water, weather and severe service. Better gloss, color retention and hardness.
• • •
Investigate as raw material for plasticizers, emulsifiers and waxes.
• • •
Shipped in 80 lb. multi-wall bags. Technical literature and samples mailed upon request on company letterhead.
DIPENTEK®
(Dipentaerythritol, Tech.)
TRIPENTEK®
(Tripentaerythritol, Tech.)
Benzaldehyde • Benzoates • Benzyl Chloride • Bromides • Chlorinated Aromatics • Chlorobenzenes • Cinnamates • 2,4-D • Formaldehyde • Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine • Medicinal Colloids • Methylene Disalicylic Acid • Paraformaldehyde • Parahydroxybenzoates • Penicillin • Pentaerythritols • Propyl Gallate • Quadrafos • Salicylates • Salicylic Acid • Streptomycin
HEYDEN
CHEMICAL CORPORATION
393 SEVENTH AVENUE, NEW YORK 1, N. Y.
CHICAGO 6 • PHILADELPHIA 3
SAN FRANCISCO 11 • RUMFORD 16, R. I.

Dyes, Coaltar, General Use—Ethylmorphine Hydrochloride

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

180	Diamond blue 3B	lb.	.84	—
185	Cochineal red A	lb.	.85	—
202	Chrome blue black R	lb.	.62	—
203	Chrome black T	lb.	.72	—
208	Sulphon acid blue R	lb.	.83	—
216	Acid alizarin red B	lb.	.77	—
234	Resorcin brown	lb.	.82	—
246	Naphthol blue black	lb.	.78	—
278	Benzo fast red SBL	lb.	2.74	—
289	Sulphon cyanine 5R extra	lb.	1.00	—
299	Diamond black F	lb.	1.78	—
304	Nerol 2B	lb.	1.84	—
326	Benzo fast orange S	lb.	1.45	—
332	Bismarck brown R	lb.	.78	—
365	Chrysophenine	lb.	2.14	—
382	Diamine black BH	lb.	1.51	—
401	Diamine black BH	lb.	.58	—
406	Benzo blue 2B conc	lb.	.98	—
419	Diamine fast red F	lb.	1.05	—
420	Diamine brown M	lb.	.82	—
448	Benzo purpurine 4B	lb.	1.08	—
518	Diamine sky blue FF	lb.	1.42	—
561	Trisulphon brown B	lb.	1.78	—
581	Direct deep black EW extra	lb.	.81	—
593	Diamine green B	lb.	.60	—
598	Congo brown G	lb.	1.20	—
620	Sun yellow	lb.	.84	—
639	Xylene light yellow	lb.	1.77	—
640	Tartrazine	lb.	1.34	—
655	Auramine	lb.	1.69	—
657	Malachite green	lb.	1.93	—
662	Brilliant green	lb.	2.55	—
667	Brilliant milling green B	lb.	3.27	—
671	Glaucine	lb.	1.54	—
680	Methyl violet B	lb.	.93	—
681	Crystal violet	lb.	1.91	—
698	Formyl violet S4B	lb.	1.51	—
720	Chrome azurol B	lb.	3.60	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

728	Victoria blue B	lb.	2.48	2.68
737	Wool green S	lb.	2.14	—
749	Rhodamine B	lb.	3.85	—
814	Chloramine yellow	lb.	2.76	—
841	Safranine	lb.	2.58	—
865	Nigrosine WSJ 78	lb.	.56	—
922	Methylene blue GXX	lb.	1.28	—
969	Hydron blue R	lb.	.72	—
978	Sulphur black T extra	lb.	.28½	—
1027	Alizarin VI	lb.	.64	—
1034	Alizarin red S	lb	2.30	—
1054	Alizarin saphiro B	lb.	2.59	—
1078	Alizarin cyanine green	lb.	2.61	—
1085	Alizarin blue black B	lb	2.13	—
1096	Indanthrene golden orange G, single paste	lb.	1.96	—
	double paste	lb.	3.92	—
1099	Indanthrene dark blue BO, single paste	lb.	1.72	—
1101	Caledon jade green	lb.	2.33	—
1106	Indanthrene blue RS, double paste	lb.	2.52	—
1113	Indanthrene blue GCD, double paste	lb.	1.72	—
1150	Indanthrene olive R, single paste	lb.	1.08	—
1151	Indanthrene brown R, single paste	lb.	1.65	—
	double paste	lb.	3.29	—
1212	Indanthrene red violet RH, single paste	lb.	1.54	—
1217	Helindon orange R, single paste	lb.	1.57	—
p-4	Acid anthracine brown P.G.	lb.	2.48	—
p-14	Anthracene chromate brown BB	lb.	1.25	—
p-24	Benzo fast black L	lb.	1.94	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

p-80	Diazo brilliant scarlet 8OA	lb.	2.55	—
p-202	Zambesi black V	lb.	.97	—
p-244	Celliton scarlet B	lb.	1.25	—
p-313	Naphthol AS-SW	lb.	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue, No. 550	lb.	.72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb.	1.44	—
Orange R, brilliant	lb.	.80	—
Red 4 B, conc	lb.	1.22	—
Yellow, C	lb.	1.05	—
FN, conc	lb.	1.08	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

Auramine, O	lb.	1.66	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 B, conc	lb.	1.44	—
Brown, Bismarck, R, conc	lb.	.78	—
Chrysodine, R, extra	lb.	.54	—
Y, extra	lb.	.58	—
Fuchsine, conc	lb.	2.84	—
Green, malachite, conc	lb.	1.80	—
Rhodamine, B	lb.	3.97	—
Safranine, Y, conc	lb.	2.66	—
Violet, methyl, B	lb.	1.08	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B extra	lb.	.76	—
Orange, acid, Y, conc	lb.	.43	—
Rhodamine, azo- R, extra, conc.			
Rhodamine, R, extra, conc	lb.	3.07	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.32	—
Fast light, 3 G, extra	lb.	1.99	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

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DDT Government Specifications

2, 4-D Acid, Salt and Isopropyl Ester

TRICRESYL PHOSPHATE

ERGOSTEROL
(Non Irradiated)

MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY

SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

E

Echinacea root, bls	lb.	.45	.55	
Egg albumen (see Albumen).				
Yolk, dried, dom., bbls	lb.	1.35	1.45	
tanners, bbls	lb.	.06½	.07	
Elder flowers, bright, bls	lb.	.40	.50	
Elecampane root, bls	lb.	.22	.25	
Elm bark, grinding, bls	lb.	.30	.35	
powd., bbls., bxs	lb.	.40	.45	
select, bndls	lb.	.55	.60	
Emetine hydrochloride, USP, bots	oz.	38.75	42.00	
Ephedra herb, bls	lb.	.25	.32	
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—	
hydrous, bots., 100 ozs	oz.	.92	—	
Hydrochloride, tin, 100 ozs	oz.	.75	—	
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—	
powd., tins, 100 ozs	oz.	.73	—	
Epichlorohydrin, dms., c.l., works	lb.	.36½	—	
l.c.l., works	lb.	.37	—	
tanks, works	lb.	.35	—	
Epinephrine, synth., USP, bots	gram.	.45	.50	
Epsom salt, tech., bgs., c.l., works.	100 lbs.	2.15	—	
l.c.l., works	100 lbs.	2.90	3.15	
USP, cryst., bgs., c.l., works	100 lbs.	2.35	—	
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	—	
smaller lots	100 lbs.	3.35	—	
Ergot, NF, dms., tin-lined	lb.	3.50	Nom.	
Eserine, bots	oz.	45.0	-50.00	
Salicylate, USP, bots	oz.	50.00	-51.00	
Sulphate, bots	oz.	35.00	-36.00	
Ether, acetate (see Ethyl acetate).				
Butyl, dms., c.l., dlvd	lb.	.20½	—	
l.c.l., dlvd	lb.	.31	—	
tanks, dlvd	lb.	.29	—	
Butyric (see Ethyl butyrate).				
Dichloroethyl, purif., dms., works.	lb.	.16½	—	
l.c.l., same basis	lb.	.17	—	
tanks, same basis	lb.	.15	—	
Divinyl, USP, anesthesia, bots., 50 cc. hospitals	bot.	1.00	—	
75 cc. hospitals	bot.	1.56	—	
Ethyl, absolute, ACS, dms	lb.	.30	—	
anesthesia, USP, hospital, cns.	lb.	.75	.90	
Industrial, USP, dms., c.l., dlvd.	lb.	.10½	—	
l.c.l., same basis	lb.	.12½	—	
tanks, same basis	lb.	.08½	—	
Isopropyl, dms., c.l., dlvd	lb.	.06	—	
l.c.l., dlvd	lb.	.06½	—	
tanks, dlvd	lb.	.04½	—	
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10	
synthetic, dms., incl., dlvd. East,	lb.	.10½	—	
l.c.l., same basis	lb.	.12½	—	
tanks, same basis	lb.	.08½	—	
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.10½	—	
l.c.l., frt. alld	lb.	.11½	—	
tanks, frt. alld	lb.	.09	—	
95-98%, dms., c.l., frt. alld.	lb.	.10¾	—	
l.c.l., frt. alld	lb.	.11¾	—	
tanks, frt. alld	lb.	.09¼	—	
99%, dms., c.l., frt. alld.	lb.	.11	—	
l.c.l., frt. alld	lb.	.12	—	
tanks, frt. alld	lb.	.09¼	—	
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.10½	—	
l.c.l., frt. alld	lb.	.11½	—	
tanks, frt. alld	lb.	.09	—	
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—	
l.c.l., dlvd	lb.	.48½	—	
tanks, dlvd	lb.	.46	—	
Benzoate, dms	lb.	.63	—	
Betaethoxypropionate dms. works	lb.	.70	—	
Bromide, tech., 98%, dms	lb.	.39	.41	
Butyrate, bots	gal.	4.75	—	
cns., works	lb.	.65	.70	
dms., works	lb.	.60	—	
Carbamate (see Urethane).				
Chloride, tech., tanks, frt. alld. East	lb.	.13½	—	
USP, bbls., cyl	lb.	.20	.22	
Cinnamate, cns	lb.	2.30	3.60	
Formate, dms	lb.	.38	—	
Iodide, bots	lb.	4.06	4.27	
Lactate, dms., works	lb.	.41	—	
Methylcrylate, M-2, dms., works.	lb.	.60	—	
cns., works	lb.	.63	.67	
P-2, cns., works	l.b	.65	—	
Myristate, dms., works	lb.	No prices.		
Nitrite (see Ether, nitrous).				
Oenanthate, dms	lb.	1.00	2.00	
Oleate, dms., l.c.l., works	lb.	.53	—	
Oxalate (see Diethyl oxalate).				
Silicate, dist. (see Tetraethyl-orthosilicate).				
40% available SiO_2, dms., works.	lb.	.55	—	
Ethylaiphanaphthylamine, dms	lb.	.50	—	
Ethylanilin, dms	lb.	.60	—	
Ethylbenzene, dms., c.l.	lb.	.14	—	
l.c.l.	lb.	.15	—	
tanks	lb.	.13	—	
Ethylcellulose, fib dms., 5,000 lbs., works	lb.	.52	—	
smaller lots, works	lb.	.54	.62	
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09¼	—	
W. of Rockies	lb.	.10½	—	
l.c.l. works, frt. alld., E. of Rockies	lb.	.10½	—	
W. of Rockies	lb.	.11½	—	
tanks, frt. alld. E. Rockies	lb.	.08	—	
W. of Rockies	lb.	.09	—	
Oxide, cyls., c.l., works	lb.	.23¾	.25	
l.c.l., works	lb.	.24¾	.26	
tanks, works and frt. equald. or alld	lb.	.15¾	.16¾	
Trichloride (see Trichloroethane).				
Ethylenediamine, tanks, works	lb.	.50	—	
Ethyleneglycol, dms., c.l., frt. alld. E	lb.	.16	—	
l.c.l., same basis	lb.	.17	—	
tanks, same basis	lb.	.14½	—	
Diethylether, dms., l.c.l., works	lb.	.50	—	
Monobutylether, dms., c.l., works.	lb.	.21½	—	
l.c.l., works	lb.	.22	—	
tanks, works	lb.	.20	—	
Monoethylether, dms., c.l., works.	lb.	.18	—	
l.c.l., works	lb.	.18½	—	
tanks, works	lb.	.16½	—	
Monoethylether acetate, dms., c.l., works	lb.	.16½	—	
l.c.l., works	lb.	.17	—	
tanks, works	lb.	.15	—	
Monomethylether, dms., c.l., works	lb.	.19½	—	
l.c.l., works	lb.	.20	—	
tanks, works	lb.	.18	—	
Monomethylether acetate, dms., c.l., works	lb.	.24½	—	
l.c.l., works	lb.	.25	—	
tanks, works	lb.	.23	—	
Monostearate, dms	lb.	.38	.40	
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	—	
l.c.l., works	lb.	.33	—	
Ethylmorphine hydrochloride, USP, bots.	oz.	11.85	—	

Ethylorthotoluidine, bbls. ..... lb. .80 - —
Ethylvanillin, cns., 3 lbs. or more lb. 6.75 - —
smaller lots ..... lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms ..... lb. 1.75 - 2.05
Eucalyptus leaves, bls ..... lb. .10 - .14
Eugenol, prime, USP. ..... lb. 2.05 - 2.75
Euphorbia, pil., herb., bls ..... lb. .18 .20

F

Feldspar, enamel, 100 mesh, bgs. works ton 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton 11.75 -12.50
Pottery, bgs., 2 ton lots works ton 20.00 -22.00
bulk, c.l., works ton 18.00 -20.00
Fennel seed, Argentine, bgs ..... lb. .16 .16½
French, bgs ..... lb 12 12½
Indian, bgs., futures ..... lb. .11¾- .12
Fenugreek domestic, bgs. ..... lb No stocks.
Indian, bgs ..... lb. .11 - .11½
futures, bgs ..... lb. .11 - .11½
Moroccan, bgs ..... lb. .07½- .08
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric)
Film scrap, colored, cs., works lb. .11 - —
water-white, cs., works ..... lb. .13 - —
Fir balsam, Canada, cns ..... gal. 26.00 -32.50
Oregon, bbls ..... gal. 2.35 - 2.60
Fishberries, bgs ..... lb. .20 .25
Fishliver oil (see Oil, fishliver)
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 170.00 - —
Fishscrap, dried, 60% protein, bulk, Balto area ton. 160.00 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls ..... lb. 42 .45
Fluorspar, acid grade, bgs., c.l., mines ton. 47.50 —
l.c.l., mines ton. 49.50 - —
bulk, contract, c.l., mines ton. 42.00 - —
noncontract, c.l., mines ton. 45.00 - —
l.c.l., mines ton. 47.00 —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton. 39.00 -41.00
powd., 90-92% ton. 41.00 —
foundry grade, lump, 55-60%, ton. 34.00 —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton. 35.00 -37.00
65%, bulk, c.l., mines ton. 34.00 -36.00
60%, bulk, c.l., mines ton. 33.00 -35.00
less than 60%, bulk, c.l., mines. ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. 0570- —
l.c.l., E. works ..... lb. .0620- —
tanks, E. works ..... lb. 0370- —
methanol-free (uninhibited), tanks, works lb. 0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are 022 for inhibited and .020 for uninhibited.

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton. 30.00 —
l'ex., mines ..... ton. 27.00 —
spent, bulk, Bayonne ..... ton. 2.00 4.00
imp., bgs., c.l ton. 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 —
l.c.l., works ..... lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .21½- —
l.c.l., dlvd. ..... lb. .22½- —
tanks, dlvd. ..... lb. .20 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .42½ —
No. 1A, bbls., l.c.l ..... lb. .41½- —
No. 2, bbls., l.c.l ..... lb. .40½- —
No. 3, bbls., l.c.l ..... lb. .38½- —
liquid, No. 0, bbls., l.c.l ..... lb. .22 - —
No. 1, bbls., l.c.l ..... lb. .20½- —
No. 2, bbls., l.c.l ..... lb. .19½- —
No. 3, bbls., l.c.l ..... lb. .17 - —
solid, No. 1 bxs., l.c.l ..... lb .23 —

G

G salt, bbls ..... lb. .59 - .60
Galangal root, bls ..... lb. .18 - .19
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls ..... No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .10125- —
Bayonne, 83 octane, tanks gal. .1120- —
Gulf coast, 80 octane, tanks gal. .10 - .11
Group 3, 80 octane, tanks gal. .0975- .10375
Pennsylvania, western, U. S. motor, 74-76 octane, leaded tanks gal. .12 - —
natural, 26-70 octane, group 3, tanks gal. .05875- —
Gelatin, silver label, cs., works lb. 1.20 - —
Gelsemium root, bls ..... lb. .25 .30
Gentian root, bls ..... lb. .13 - .17
grd., bbls., bxs ..... lb. .17 - .18
powd., bbls., bxs ..... lb. .18 - .21
Gentisic acid ethanilamide, fib. dms., works lb. 10.00 - —
Geraniol, extra, cns. dms ..... lb. 2.50 2.75
prime ..... lb. 2.20 2.40
Geranyl acetate, cns. ..... lb. 2.65 - 3.90
Ginger, oleoresin, bots ..... lb. 7.40 -11.80
Root, African, bls ..... lb. .42 - .43
Cochin, bleached, bgs ..... lb. No stocks.
unbleached, bgs ..... lb. .20 Nom.
Jamaica, No. 1, bgs ..... lb. .50 - .51
No. 2, bgs ..... lb. .47 - .48
No. 3, bgs ..... lb. .46 - .47
Rhattoon, bgs ..... lb. .39½ Nom.
Ginseng root, cs ..... lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 —
l.c.l. bgs., works ..... 100 lbs. 2.25 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .17 - —
65 jellygrams, bgs., c.l., same basis lb. .18½- —
80 jellygrams, bgs., c.l., same basis lb. .20 - —
110 jellygrams, bgs., c.l., same basis lb. .21 - —
130 jellygrams, bgs., c.l., same basis lb. .22 - —
Over 150 jellygrams, bgs., c.l., same basis lb. 24 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l. ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .18 - —
l.c.l., same basis ..... lb. .20 - —

Glue, hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .22 - .25
122-149, bgs., c.l., dlvd ..... lb. .23 - .26
150-177, bgs., c.l., dlvd ..... lb. .24 - .27
178-206, bgs., c.l., dlvd ..... lb. .25 - .29
207-236, bgs., c.l., dlvd ..... lb. .26 - .30
237-266, bgs., c.l., dlvd ..... lb. .27 - .31
267-296, bgs., c.l., dlvd ..... lb. .28 - .32
299-330 bgs., c.l., dlvd ..... lb. .29 - .33
331-362, bgs., c.l., dlvd ..... lb. .30 - .33
363-394, bgs., c.l., dlvd ..... lb. .31 - .34
395-427, bgs., c.l., dlvd ..... lb. .32 - .35
428-460, bgs., c.l., dlvd ..... lb. .33 - .36½
461-494, bgs., c.l., dlvd ..... lb. .34 - .38
495-529, bgs., c.l., dlvd ..... lb. .35 .39

Hide glue, l.c.l., prices 1c. higher than c.l., bbls., ½c. more than bgs

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾ .18¾
soapiye, 80%, tanks, dlvd lb. .15¼- .16½
dynamite, dms., c.l., dlvd ..... lb. .24 - —
l.c.l., dlvd ..... lb. .24½ —
tanks, dlvd ..... lb. .23½- —
high gravity, dms., c.l., dlvd ..... lb. .24¼- —
l.c.l., dlvd ..... lb. .24¾- —
tanks, dlvd ..... lb. .23¾- —
refined, BP, 93%, dms., c.l., dlvd, lb. .25½- —
l.c.l., dlvd ..... lb. .26 —
tanks, dlvd ..... lb. .25 —
USP, c.p., 95%, dms., c.l., dlvd, lb. .24¾- —
l.c.l., dlvd ..... lb. .25¼- —
tanks, dlvd ..... lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24½- —
lb. .24½- —
l.c.l., dlvd ..... lb. .24⅝- —
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms ..... lb. .28 .30
tanks, dlvd ..... lb. .23⅝- —
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works ..... lb. .18 - —
tanks, works ..... lb. .17 —

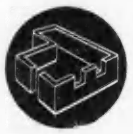
Ethylorthotoluidine—Green, Chrome, Reduced Color

Gold chloride, acid-brown, bots oz. 22.00 -22.25
acid-yellow, bots ..... oz. 20.00 -20.25
Gold of pleasure seed, bgs ... lb. .40 .41
Goldenseal root, bls ..... lb. 3.25 - 3.40
powd. bxs. ..... lb. 4.25 - 4.50
Gold-sodium chloride, photo, bots oz. 13.50 -14.00
USP IX, bots ..... oz. 14.50 -15.00
Grains of paradise, bgs ..... lb. .52 - .53
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline 88-90%, powd., bgs., ex whse lb. No prices.
90-92% powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2 whse ..... lb. No prices.
Grease, house, loose, dlvd ..... lb. .04½- —
White, choice, loose ..... lb. .06¼- —
Wool (see Degras and Lanolin).
Yellow, loose ..... lb. .04¾- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 4.50
Tungstic, kgs., works lb. 4.25 4.50
16-20%, bbls., same basis. lb. .38½ —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 - —
11-15%, bbls., same basis lb. .38 - —
21-25%, bbls., same basis lb. .38¼- —

Green, chrome, c.p. color content, 26-30%, bbls., same basis lb. .38¾- —
31-35%, bbls., same basis lb. .40¾- —
36-40%, bbls., same basis lb. .42½- —
41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¾- —
50% and over, bbls., same basis lb. .46¾- —
reduced color, 5%, bbls., same basis lb. .12¾- —
6-10%, bbls., same basis lb. .13½- —
11-13%, bbls., same basis lb. .14 - —
14-16%, bbls., same basis lb. .14¾- —
17-19%, bbls., same basis lb. .15 - —
20-21%, bbls., same basis lb. .15¼- —
22-23%, bbls., same basis lb. .15½- —
24-25%, bbls., same basis lb. .15½- —
26-27%, bbls., same basis lb. .16 - —
28-29%, bbls., same basis lb. .16½- —
30-31%, bbls., same basis lb. .17½- —
32-33%, bbls., same basis lb. .18¾- —
34-35%, bbls., same basis lb. .19¾- —
36-40%, bbls., same basis lb. .22½- —

Is this your problem?

Here's your answer!
MALLINCKRODT STEARATES



1 Making water-repellent building materials?

CALCIUM STEARATE — renders water repellent such materials as cement, cement composition, wood, brick, stone, fiber and fabric.

2 Suspending pigments, producing "flatting" or increasing body in paints, lacquers, or varnishes?

CALCIUM STEARATE, ZINC STEARATE — produce flatting effect in lacquers.

CALCIUM STEARATE, ZINC STEARATE, MAGNESIUM STEARATE — increase body in varnish; prevent settling of pigments in paints and enamels.

3 Preventing plastics from sticking to molds and dies?

CALCIUM STEARATE — is added to plastics for internal lubrication and dusted into molds or onto dies for molding and extrusion.

4 Rendering crystals free-flowing and non-caking?

CALCIUM STEARATE — coats crystals against moisture.

5 Making stable cosmetic powders?

ZINC STEARATE, MAGNESIUM STEARATE — produce soft, smooth, fluffy, odor-stable powders that have good covering power and add "bloom" to a face or body powder.

6 Molding medicinal tablets?

MAGNESIUM STEARATE — in small amounts is an excellent tablet lubricant.

Mallinckrodt specializes in producing specialized stearates, particularly designed to meet the stringent requirements of users. When makers of butyl rubber needed a special grade of zinc stearate to stabilize their emulsions; when the U.S. Navy needed a special magnesium stearate for anti-flash burn ointment; when a cosmetic manufacturer needed a special type of zinc stearate to withstand higher temperatures during processing, *Mallinckrodt produced the answer.*

Our many years of experience in the uses of metallic soaps are at your service. We shall be glad to consult with you on your particular problem. Write us today.

82 Years of Service to Chemical Users

Mallinckrodt Chemical Works

Mallinckrodt Street, St. Louis 7, Mo.
72 Gold Street, New York 8, N. Y.
Chicago • Cincinnati • Cleveland • Los Angeles
Montreal • Philadelphia • San Francisco

Uniform Dependable Purity

Green, Chrome, Reduced Color—Hyssop Leaves

Green, chrome, reduced color, 41-45%, bbls., same basis lb. .24¾ - —
46-50%, bbls., same basis lb. .26¼ - —
51-55%, bbls., same basis lb. .26 - —
56-60%, bbls., same basis lb. .26½ - —
61-65%, bbls., same basis lb. .27½ - —
66-70%, bbls., same basis lb. .26¾ - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. coast: for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works lb. 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 4.00
Emerald, kgs lb 2.60 —
Verdigris (see V).
Grindelia robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. 60 - .65
ordinary, cs. lb. .49 - .51
Wood, bls lb. .35 - .36

Guaiacol, cryst., tins lb. No prices
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs. lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca)
Aloe (see A.)
Ammoniac, tears, cs. lb. .90 - .95
Arabic, amber, sorts, bgs lb. .12½ - .13
powdered, USP, bbls lb. .20½ - .21
Asafetida (see A)
Asphalthum (see A)
Benzoin, Sumatra, cs lb. .50 - 70
Camphor (see C)
Copal, Congo, No. 1 bgs lb. .25 - .26
No. 2, bgs lb. .18 - .20
No. 3, bgs lb. .13½ - .15
Manila, loba, B, bgs lb. .25 - .27
C, bgs lb. .23 - .24½
CBB, bgs lb. .19 - .20
CNE, bgs lb. .13½ - .15
DBB, bgs lb. .16½ - .17½
DK, bgs lb. .13 - .14
dust, bgs lb. .07 - .08
soft, MA, bgs lb. .11 - .13½
WS, bgs lb. .21 - .22
Philippine, pale, chips, bgs lb. .18½ - .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½ - .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs lb. .32 - .35
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .24
dust, bgs lb. .08½ - .09½
E, bgs lb. .13½ - .14½
East India, batu, bold, bgs lb. .10 - .11
nubs & chips, bgs. lb .07½ - 09
black, bold, bgs lb. 12½ - .13½
unscraped, bgs. lb. .09½ - .10½
nubs & chips, bgs. lb. .09½ - 10½
pale, chips, bgs. lb. 13 - .15
nubs, bgs lb. .25 - .27

Gum, dammar, Singapore, No. 1, bgs lb. .36 - .38
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .23
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .13 - .13½
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc. lb. .13 - .13½
Euphorbium, cs. lb. .35 - .40
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs lb. 1.15 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .50 - .51
No. 2 lb. .46 - .47
No. 3 lb. .38 - .39
Kauri, bgs lb. .31½ - .32¾
Locust bean, powd., bgs lb. .30 - .32
Mastic, cs. lb. 1.80 - 1.90
Myrrh, cs. lb. .30 - .35
Olibanum, siftings, cs lb. .12 - .13
tears, cs. lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. 1.25 Nom.
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 2.75 - 3.00
No. 2, cs lb. 2.50 - 2.75
No. 3, cs lb. 1.75 - 2.00
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —

Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald, ton. 12.50 - —
Blue Rapids, Kans., frt equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt equald ton. 18.00 - —
Saltville Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex. frt equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y., works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs lb. .50 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, dom., green, bls lb. .80 - .90
imp., black, whole, bls. lb. .20 - .25
ground, bxs. lb. .25 - .30
powder, bxs. lb. .27 - .32
white, whole, bls. lb. .30 - .40
powder, bxs. lb. .35 - .45
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l. lb. .44½ - —
No. 1A, bbls., l.c.l lb. .41½ - —
No. 2, bbls., l.c.l lb. .40½ - —
No. 3, bbls., l.c.l lb. .38½ - —
No. 4, bbls., l.c.l lb. .36½ - —
No. 5, bbls., l.c.l lb. .34½ - —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l lb. .17 - —
No. 4 (red), bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks
tanks, works lb No stocks
Henbane leaves, bls lb. .35 .45
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½ - .13⅛
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb lots, Perth Amboy or N.Y.C. lb. .22 - —
bbls. lb. .22½ - —
smaller lots, bgs., same basis. lb. .24 - —
bbls. lb. .24½ - —
USP, dms., 500 lbs., or more, same basis lb. .38½ - —
smaller lots, same basis lb. .39½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½ - .14⅛
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½ - —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol, dms., c.l., dlvd. lb. .14 - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12½ - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb. 17.00 -19.00
works lb. 17.00 -25.75
smaller lots, frt. alld lb. 18.00 -19.50
works lb. 18.00 -31.50
Histamine diphosphate, USP, bots kilo. 500.00 - —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo. 100.00 -120.00
1-5 kilos, works kilo. 110.00 -130.00
Homatropine hydrobromide, USP, bots oz. 13.00 -16.00
Hydrochloride, bots oz. 20.00 -22.00
Methylbromide, NF oz. 13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.50 - —
Hops, NF, bls. lb .40 45
Horehound, bls. lb. .17 - .19
Hydrangea root, bls lb 14 17
Hydrastine, bots oz. 53.50 -53.80
Hydrochloride, NF oz. 29.50 -36.00
Sulphate, bots oz. 53.50 -53.80
Hydrastinine, 10-grain bots bot. 1.95 —
Hydrastis (see Goldenseal).
Hydrofuramide, dms. fib. cans., works lb. .30 40
Hydrogen peroxide, USP, bbls lb. 03¾ - 05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½ - .19¼
35%, cbys., same basis lb. .23½ - —
dms., c.l., same basis lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks lb. .19¾ - —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. 70 - —
Hydroxycitronellal, cns. lb. 5.35 - 7.80
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. oz. 15.75 -16.00
Hydrobromide, bots. lb. 16.50 -18.00
Sulphate, bots. oz. 13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. 25 - —
solid, No. 1, bxs., l.c.l lb. 44 - —
Hyssop herb, bgs lb. .35 .45
Leaves, bgs lb .45 .50

Real Brushing Ease...

You get real brushing ease in your quality flat wall paints when they're made with the new AROFLAT 3010.

And you get all the other advantages of alkyd vehicles, too — because AROFLAT 3010 is a pure long oil alkyd resin — *the first* specifically developed for use as the single vehicle for quality flat wall paints.

With AROFLAT 3010 you can formulate flat finishes that literally glide onto walls and ceilings . . . deep-tones with a greatly lessened tendency to show scuff marks.

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IN QUALITY FLAT FINISHES

AROFLAT 3010

ALSO GIVES YOU REALLY OUTSTANDING

- color retention
- reduction in tendency to show flashes
- hold-out
- washability
- pigment suspension

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Branches in all Principal Cities

I

Iceland moss, bgs. lb. .33 - .40
Ichthammol, F, dms. lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots. lb. .23 - —
powd., bbls. lb. 1.03 - —
Indol, CP, bots. lb. 17.00 -19.00
Inositol, tins, dlvd. lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. lb. 1.52 - 1.729
resubl., USP., bots., jars. lb. 2.30 - 2.48
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 - —
Iodoform, NF, dms., kgs. lb. 4.45 - 4.60
Ionone, alpha, cns. lb. 4.40 -12.30
beta, cns. lb. 7.05 6.50
Methyl (see M).
IPC, bots., 1-5 lbs. lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 4.25 - 4.50
powd., bgs. lb. 4.65 - 4.90
Irish moss, bleached, prime, bls. lb. .16 - .18
Iron acetate, liquor, 2½° bois., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
djns. lb. 17 - —
Cacodylate, NF, bots lb. 13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .79
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bots lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 .79
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l. lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, ferric, anhyd., bgs., c.l., works ton. 28.50 - —
l.c.l., works ton. 29.50 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns lb. .97 1.10
Isobutyl acetate, cns lb. .82 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns. lb. 3.10 - 3.40
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb. 26.00 -35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¼- —
l.c.l., same basis lb. .11 - .11½
tanks, same basis lb. .09 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, Isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., c.l., works lb. .24 - —
l.c.l., same basis lb. .25 - —
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .40 - .45
powd., bbls., bxs lb. .45 - .55
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs lb. .09 - .18
Tar, USP, dms lb. .40 - .65

K

Kamala, powd., cns lb. .47 - .49
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks gal. .07875- —
Bayonne, 41-43 s.g., w.w., tanks. gal. .084 - —
California, 40-43, s.g., w.w., tanks gal. .121 - .156
Gulf ports, 41-43, s.g., w.w., tanks. gal. .085 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks. gal. .07625- .08875
Penn., 45 s.g., w.w., tanks gal. .095 - .10
Kola nuts, bgs lb. 08 - .10
Kyanite, imp., tow iron content, 10-mesh, whse ton. 85.00 -95.00
calcined, grain, 10-mesh, whse ton. 95.00 -105.00

L

Lady slipper root, bls lb. 1.50 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .31 - .33
pharmaceutical, USP, dms., works lb. .29 - .32
hydrous lb. .28 - .30½
Lard, cash, trcs., Chicago lb. .10 - .10¼
Larkspur seed bgs lb. .35 .40
Laurel berries, bls lb. .25 .26
Leaves, Portuguese, bls lb. .11 - .11½
Greek, bls. lb. .08 - .08½
Yugoslavian, bls lb. .11 - .11½
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls. lb. .18 - .20
select, bls lb. .60 .65

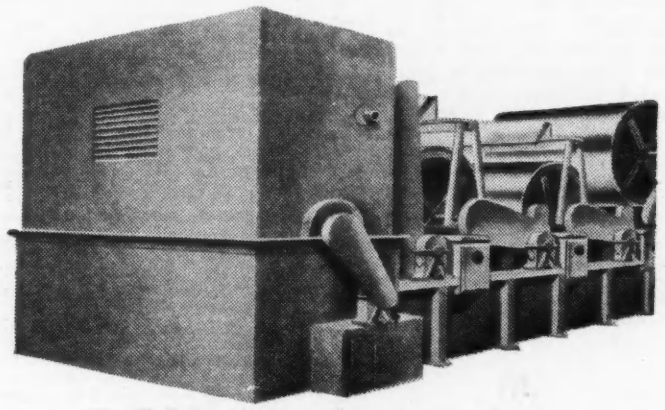
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. lb. .19¾- —
powd., bbls. lb. .19¾- —
USP, cryst., dms lb. .21½- .26
gran., powd., dms lb. .22¼- .26¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld lb. .27 - .30
l.c.l., frt. alld lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .38 - .41½
l.c.l., frt. alld lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., shipt point, frt. alld lb. .13¼- —
l.c.l., works lb. .14¼- —
Carbonate (see Lead, white).
Chloride, fib. dms lb. .49 —
Iodide, NF V, jars lb. 2.94 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y. lb. .12 - —
E. St. Louis lb. .1180- —
Metallic paste, dms., 30,000-40,000 lbs., works lb. .28 - —
10,000-20,000 lbs., same basis lb. .28½- —
2,000-10,000 lbs., same basis lb. .29 - —
100 to 2,000 lbs., same basis lb. .29½- —
Prices ex whse, Jersey City, N. J., 4½c. per pound higher
Naphthenate, liquid, 16% pb, dms., dlvd lb. .15½- —
24% Pb, dms., dlvd lb. .21¼- —
30% Pb, dms., dlvd lb. .25¾- —
Nitrate, bbls., c.l lb. .19 - —
l.c.l. lb. .19¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Lead peroxide, powd., tech., bbls. lb. .33 - .34
Phthalate, dibasic, dms., works lb. .37½- —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
97%, Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Resinate, precip., dms., dlvd lb. .25 - —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1420- .1475
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —
Tallate, liquid, 16% Pb, dms. lb. .13¼- —
solid, 30% Pb, dms lb. .20½- —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .14⅞- .16¼
l.c.l., same basis lb. .14⅞- .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¼- —

Iceland Moss—Lime, Chemical

Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½- —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½- —
Lemon peel, bls lb. .22 - .25
Leucine, dextro-laevo, dms., works lb. 26.00 -35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06¾
Lime, agricultural, bgs., works ton. 13.00 -13.50
Chemical quicklime), lump, pebble, bulk, Adams, Mass. ton. 10.00 - —
Annville, Pa. ton. 10.50 - —
Bellefonte, Pa. ton. 10.50 - —
Buffalo, N. Y. ton. 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 10.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo ton. 7.50 - —
Keystone, Ala ton. 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala ton. 9.75 - —
Martinsburg, W. Va ton. 10.00 - —
Menominee, Mich ton. 8.50 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn ton. 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton. 10.50 - —

as you were in 1900

Individual skill and rule-of-thumb methods were the dominant factors in textile processing as in many other fields such as paper, glass and soap-making, and sewage disposal



as you are today

Speed, accuracy and scientific control are the keynotes in modern textile production

...with a helping hand from Niagara Alkali

Huge, complex and increasingly progressive, the textile industry has made truly remarkable progress since the turn of the century. New methods, new finishes, new fibres have added vastly to the beauty, durability and variety of its range of fabrics.

By pioneering the domestic production of liquid chlorine, caustic soda and other electro-chemicals, Niagara Alkali has helped to make such improvements possible. Niagara's pioneering has also greatly benefited the paper, glass, soap and other industries. Look to Niagara for pioneer quality and service in electro-chemical products.

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N. Y.

Liquid Chlorine • Caustic Potash • Carbonate of Potash • Paradichlorobenzene • Caustic Soda • NIALK TRICHLORethylene

Lime Hydrated—Octane

Lime, hydrated, paper bgs., Adams, Mass. ton 11.50 - —
Annville, Pa. ton 13.50 - —
Bellefonte, Pa. ton 13.50 - —
Buffalo, N. Y. ton 13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa. ton 13.50 - —
Engle, W. Va. ton 13.00 - —
Farnams, Mass. ton 11.50 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo. ton 9.50 - —
Keystone, Ala. ton 13.00 - —
Knoxville, Tenn. ton 12.25 - —
Limedale, Ark. ton 10.50 - —
Longview, Ala. ton 13.00 - —
Manistique, Mich. ton 9.50 - —
Marblehead, Ohio. ton 10.50 - —
Mitchell, Ind. ton 10.00 - —
Petoskey, Mich. ton 10.00 - —
Port Island, Mich. ton 9.00 - —
Rapid City, S. Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton 13.00 - —
Sherwood, Wis. ton 10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs., Adams, Mass. ton 11.70 - —
Annville, Pa. ton 13.50 - —
Bellefonte, Pa. ton 13.50 - —
Carey, Ohio ton 11.00 - —
Engle, W. Va. ton 13.00 - —
Farnams, Mass. ton 9.50 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me. ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa ton 13.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works ton 3.50 4.00
Linalool, ex bois de rose lb 4.50 6.85
ex lignaloe wood lb 6.50 7.00
Linalyl acetate, ex bois de rose, bots lb 4.20 7.20
ex petitgrain, bots lb 4.25 6.00
Lindane, 25%, works, cans lb 3.00 3.05
dms., works. lb 2.95 —
Linden flowers with leaves, bls. lb .22 - .25
without leaves, bls lb .22 .28
Linseed meal, 34% bulk, Midwest mills ton 65.00 -66.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld lb .13¾- —
l.c.l., same basis lb .14¾- —
Lithium benzoate, dms lb 1.65 —
Bromide, NF, bbls., works, frt. equald lb 1.90 - —
Carbonate, NF bbls. kgs lb 1.10 1.15
Chloride, cryst., dms lb .93 - —
Citrate, NF, bbls., dms., kgs lb 1.25 - 1.40
Fluoride, bbls lb 1.80 - 2.00
Hydroxide, dms lb 1.00 - 1.25
Salicylate, dms. lb 1.62 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb .06¼ —
l.c.l., same basis lb .06½- .06¾
Titanated (high-strength), bgs., c.l. lb .08¼- —
smaller lots lb 08½- —

Lithopone prices, Pacific Coast, ¼c. per lb higher.

Liverwort leaves, bls. lb .75 .80
Lobelia herb, bls lb .80 - .85
leaves, NF lb .85 - .90
Lobeline sulphate, bots., works oz. 34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb .38½- —
No. 2, bbls., l.c.l. lb .36½- —
Logwood extract, liquid, No. 1, bbls., l.c.l. lb .18½- —
No. 2, bbls., l.c.l. lb .17½- —
No. 3, bbls., l.c.l. lb .17 - —
No. 4, bbls., l.c.l. lb .16½- —
solid, No. 1, bxs., l.c.l. lb .33 - —
No. 2, bxs., l.c.l. lb .31 - —
No. 3, bxs., l.c.l. lb .28½- —
No. 4, bxs., l.c.l. lb .28 - —
No. 5, bxs., l.c.l. lb .26½- —
No. 6, bxs., l.c.l. lb .44½- .49½
Lovage root, imp., bls. lb 1.00 - 1.10
Lupulin, tins lb 1.95 - 2.00
Lycopodium, cs lb 1.45 - 2.00
Lysine hydrochloride, dextro-laevo. kilo 145.00 -149.00

M

Mace, Amboyna, bls. lb .73 - .74
Banda, No. 1, bls lb 1.05 Nom.
Siaun, No. 1, bbls lb .98 - .99
West Indian, bls lb .86 - .87
broken, bls. lb .74 - .75
Madder, Dutch, bgs lb .29 .32
Magnesia, calcined, tech., ctns., works lb .32 —
synth., rubber grade, ctns., works lb .29 - .31
USP, light ctns lb .34 - —
heavy, bbls lb .36 - —
Magnesium arsenate, bgs., cans, works lb .20 - .30
Bromide, jars lb .90 1.00
Carbonate, tech., bgs., c.s., frt. equald lb .09 - —
l.c.l., frt. alld. lb .10 - —
bbls., c.l., frt. equald lb .10¼- —
l.c.l., frt. alld. lb .11¼- —
kgs., c.l., frt. equald lb .11½- —
l.c.l., frt. alld. lb .12½- —
USP, bgs., l.c.l., frt. equald lb .10¾- —
l.c.l., frt. alld. lb .11¾- —
bbls., c.l., frt. equald lb .11¼- —
l.c.l., frt. alld. lb .12¼- —
kgs., c.l., frt. equald lb .12½- —
l.c.l., frt. alld. lb .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., dms., works lb .12¼- —
flake, bbls., c.l., works ton 40.00 - —
l.c.l., works ton 44.00 -46.00
Gluconate, dms., cns lb 1.86 - 1.93
Glycerophosphate, dms., works lb 4.85 - 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb .29 - .30
Hypophosphite, dms. lb 1.60 - —
Laurate, bbls lb .46 - .47
Metal, 99.8% ingots, cs., works lb .20½- —
sticks, cs., works lb .34 - .38
Oleate, fused, bbls lb .31 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb .09 - .10
Stearate, ctns., c.l. lb .35 - —
smaller lots lb .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb .43 - —
100-lb. lots lb .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton 67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash. ton 30.50 - —
Maleic anhydride, dms., c.l., frt. alld. lb .30 - —
l.c.l. lb .31 - —

Prices on maleic anhydride West of Rockies 1½c. higher.

Malva flowers, black, bls. lb 1.00 - 1.25
Blue, bls. lb .95 - 1.10
Leaves, bls. lb .35 - .40
Manaca root, bls. lb .49 - .50
Mandrake root, bls lb .45 - .50
Manganese acetate, bbls. lb .32 - —
Arsenate, bgs lb .12 - .12½
Borate, tech., bbls lb .23 - —
Carbonate, bbls lb .19 - —
Chloride, anhyd., dms., works lb .18 - .19
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton 74.00 - —
smaller lots, works ton 77.00 -82.00
burlap bgs., c.l., works ton 71.75 - —
l.c.l., works ton 74.75 -79.79
paper bgs., c.l., works ton 70.00 - —
l.c.l., works ton 73.00 - —
85-90%, bbls., c.l., works ton 74.00 - —
smaller lots, works ton 77.00 -82.00
Gluconate, dms., cns lb 1.88 - 1.93
Glycerophosphate, NF, fib. dms lb 4.15 4.25
Hydrate, bbls., dlvd lb .26 —
Hypophosphite, NF, dms lb 2.00 —
Linoleate, liquid, 4.35% Mn, dms lb .39¼- —
solid, precip., 6.2% Mn, bbls., lb .41½- —
Metal, cs, dlvd. East lb .30 .32
Naphthenate, liquid, 6% Mn, dms., frt. alld lb .22¾- .23¼
Oleate, precip, bbls lb 33½- —
Resinate, fused, 3½% Mn, dms lb .20 —
precip., dms lb 21½- —
Stearate, ctns., c.l. lb .35 - —
smaller lots lb .36 .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd, S. E ton 60.00 - —
l.c.l., dlvd. S. E. ton 67.00 —
feed grade, 80%, bgs., dlvd. S. E. lb .05¼- .07
75%, bgs, c.l., dlvd. S. E ton 68.50 - —
l.c.l., dlvd. S. E. ton 75.50 —
Tallate, liquid, 4% Mn, dms lb No prices.
solid, 8% Mn. dms lb No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton 65.00 - —
Manna, flake, large, cs lb 1.25 1.35
small, cs lb .85 1.00
Mannitol, com'l, dms., works lb 40 43
reagent, 50-lb. dms., works lb .85 —
Marjoram, Argentine, bls lb .14 Nom.
Chilean, bls lb .45 Nom.
French, bls. lb .48 - .50
Matico leaves, bls lb .25 .33
Melamine, bgs., ton lots, works lb .33 - —
500 lbs. or more, works lb .33½- —
less 500 lbs., works lb .38½- —
Menadione, USP, bots., works gram .06½ —
Menthol, natural, USP, Brazilian lb. 10.70 -10.80
synthetic, USP, racemic, cns lb 7.25 Nom.
Menthyl salicylate, tins lb 4.00 - 4.25
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, ton lots, works, frt. alld., ton lots lb .27 - —
less ton lots, same basis lb .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. lb 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd. lb 3.27 - 3.32
Iodide, red, NF, dms lb 4.07 - —
Yellow, NF, fib. dms. lb 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms. lb 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb .13 - —
l.c.l., dlvd lb .13½- —
tanks, dlvd lb .11½- —
Metaldehyde, dms., works lb .78 - —
Metachloraniln, dms., works lb .75 —
Metacresol, 98%, dms., c.l., works, works, l.c.l. lb .55 - .80
80-82%, dms., works lb .56 - —
70-75%, dms., works lb .35 - —
Metaparaisopropyiphenol, dms., c.l. lb .30 - —
l.c.l. lb .21 —
tanks lb .22 - —
Metanitroparatoluidin, bbls lb .20 —
Metaphenylenediamine, kgs lb 1.28 1.33
Metatoluidine, bbls., works lb .76 —
Metatolylenediamine, kgs lb .80 —
Methanol, natural, dms., c.l., frt. alld gal .85 —
l.c.l., frt. alld gal .58 - —
tanks, frt. alld gal .61 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal .50 - —
l.c.l., frt. alld gal .38 - —
tanks, frt. alld gal .41 - —
zone 2, dms., c.l., frt. alld gal .26 - —
l.c.l., ex whse gal .45 - —
tanks, frt. alld gal .47½- —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld gal .31 - —
tanks, frt. alld gal .26 - —
West of Rockies, dms., c.l., frt. alld gal .45 - —
tanks, frt. alld gal .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb 6.25 - 7.00
1 to 49-lb. lots, works lb 6.75 - 7.50
Methoxychlor, dealers, dms., cs., works lb .63 —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb .17 - —
l.c.l., same basis lb .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb .17¼- —
l.c.l., same basis lb .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 —
l.c.l., same basis lb 08½- —
Acetoacetate, dms., c.l., works lb .49½- —
l.c.l., same basis lb .50 - —
tanks, works lb .48 —
Methyl acetoacetate prices frt. alld. W. ½c higher.
Methyl acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal .60 - —
l.c.l., same basis gal .71 - —

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B, dms., incl., E. Miss., frt. alld., any quantity gal .50 - —
synthetic, dms., c.l., works, frt. alld. E gal .53 - —
frt. alld. W gal .57 - —
l.c.l., works, frt. alld. E gal .56½- —
frt. alld. W gal .60½- —
works, frt. alld. E gal .43½- —
frt. alld. W gal .47 - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 100 lbs. or more lb 2.10 - 2.90
extra lb 4.00 - 4.40
Benzoate, cns. lb .55 - 1.20
Bromide, dealers, cns lb .69 - .71
cyls. lb .60 .78
Chloride, indust., cyl., works lb .17 - —
tanks, multi-unit, works lb .13 - —
single-unit works lb .10½- —
refrigerator mfrs., cyls., dlvd. lb .37 - —
other consumers or service men, cyls., dlvd lb .42 - —
Cinnamate, cns. lb 1.48 - 1.65
Formate, refd., dms lb .35 - .40
tech., non-ret. dms., any quantity, works lb .08 - —
tanks, works lb .07 - —
Heptin carbonate, bots lb. 36.00 -58.00
Iodide, bots. lb 4.78 - 5.07
Lactate, dms., l.c.l., works lb .35 —
Methacrylate, M-1, dms., works lb .45 - —
cns, works lb .48 .58
P-1, cns., works lb .60 —
Parahydroxybenzoate, USP, bots. lb 2.10 - 2.20
fib. dms. lb 1.90 - 2.00
Roseanilin chloride, USP, bots. lb 5.15 - 5.30
Salicylate, USP, dms., 500 lbs. lb .40 - —
25-50 lbs. lb .45 - —
Testosterone, USP, 100 gms gm 3.50 —
Methylal, refined, 95%, dms., c.l., works lb .11 - —
l.c.l., works lb .12 - —
tanks, works lb .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb .13 - —
l.c.l., dlvd lb .13½- —
tanks, dlvd lb .11½- —
Ketone, dms., works lb .70 - —
Methylcellulose, special vis., 4,000 cps.), fib. ctns., c.l., frt. alld. lb .68 - —
2,000 lbs. and more, same basis lb .70 - —
smaller lots, frt. alld. on 100 lbs. lb .78 .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld lb .62 - —
2,000 lbs. and more, same basis lb .63 —
smaller lots, frt. alld. on 100 lbs. lb .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb 2.87 - —
smaller lots, kgs., same basis lb 3.02 3.22
Chloride, indust., dms., c.l., dlvd. E lb .12½- —
l.c.l., dlvd E lb .13½- —
tanks, dlvd E lb .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb .10½- —
l.c.l., dlvd lb .11 - —
tanks, dlvd lb .09 - —
Methylhexyl ketone, tech., dms., works lb .60 —
Methylionone, A, cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime, cns lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb .12¼- —
l.c.l., dlvd lb .13 - —
tanks, dlvd lb .11 - —
Methylnaphthyl ketone, cns lb 3.00 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb .03⅞- —
roofing, 20 to 80 mesh, works lb .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb .05½- —
l.c.l., ex whse., or frt. alld. E lb .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb .05½- —
l.c.l., ex whse. or frt. alld. E lb .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb .06¾- —
l.c.l., ex whse. or frt. alld. E lb .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —
white, extra fine, bgs., c.l., works, frt. alld., E lb .07 - —
l.c.l., ex whse. or frt. alld. E lb .07¾- —

Mica, wet-grd., W of Miss. R., ½c. higher; W. of Rockies, 1c. higher.

Milk powder, skimmed, roller, bbls., c.l. lb .11 - .13½
spray, bbls., c.l. lb .12½- .14¼
Whole, roller, bbls., c.l. lb .28 - .33
spray, bbls., c.l. lb .28½- .35¼
Sugar, crude, bgs., c.l., works lb .16½- —
edible, bbls., works, 30,000-lb. lots lb .24 - —
2,000-lb. lots lb .24¾- —
200-1,800-lb. lots lb .25¼- —
USP, bbls., works, 30,000-lb. lots lb .26 - —
2,000-lb lots lb .26¾- —
200-1,800-lb. lots lb .27¼- —
Molasses, blackstrap tanks gal .08 .08½
New Orleans, tanks gal .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb 2.60 3.00
pure, kgs., works, basis Mo. content lb .95 - —
technical, kgs., works, basis Mo. content lb .80 —
Monochlorobenzene, dms., c.l., works, frt. alld lb .07 .08
l.c.l., works, frt. equald lb .08 .10
tanks, works, frt. equald lb .06 .06½
Monoethanolamine, dms., c.l., frt. alld. E lb .27 - —
l.c.l., same basis lb .28 - —
tanks, same basis lb .25½- —
Monoethylamine, dms., c.l., frt. alld., basis 100% lb .21½- —
l.c.l., same basis lb .22½- —
tanks, same basis lb .20 —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb .35 —
l.c.l., same basis lb .35½- .36
tanks, same basis lb .31 —
Monomethylanilin, dms. works lb .70 —
Monononylnaphthalene, dms., c.l., works lb .14 - —
l.c.l., works lb .15 - —
tanks, works lb .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb .50 - —
l.c.l., works lb .51 - —
tanks, works lb .49 - —
Morphine, cns. oz. 12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns. oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb .59½- —
l.c.l., works lb .60 - —
smaller containers, works lb .75 - —
tanks, works lb .58 - —
Mountain ash berries, bgs lb .65 - .75
Mullein flowers, cs lb 1.25 - 1.30
Leaves, bls. lb .12 - .16
Musk, nat., Tonquin, grains, bots. oz. 25.00 -30.00
synthetic—Ambrette, 100 lbs lb 5.40 - —
25 lbs. lb 5.50 - —
5 lbs lb 5.65 - —
Ketone, 100 lbs. lb 4.95 - —
25 lbs. lb 5.05 - —
5 lbs lb 5.20 - —
Xylol, 100 lbs. lb 1.60 - —
25 lbs. lb 1.70 - —
5 lbs lb 1.85 - —
Musk root, bls lb No prices.
Mustard seed, Calif., brown, f.o.b. source lb .07½- .08
Danish, bgs., futures lb .12 - .12½
Dutch, yellow, bgs., futures lb .13¼- .13½
English, yellow, bgs lb .12½- .13
Montana, brown, bgs., source. lb .05½- .06
Oriental, bgs., source lb .07¼- .07½
yellow, bgs., source lb .11½- .12
Washington, yellow, source, bgs lb .12 - .12½
Myrobalans, J1, assorted, ex dock. ton. 52.00 - —
J1 crushed, ex dock ton. 75.00 - —
J2, ex dock ton. 42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald lb .06 —
tanks, same basis lb .0525- —
78°, bgs., c.l., works, frt. equald lb .0635- —
l.c.l., same basis lb .0660- —
bbls., c.l., same basis lb .0635- —
l.c.l., same basis lb .0660- —
78°, dms., c.l., same basis lb .0750- —
l.c.l., same basis lb .08 - —
tanks, same basis lb .0575- —
refined, industrial, bbls., c.l., frt. equald lb .10 - —
bgs., c.l., same basis lb .09½- —
tanks, same basis lb .09 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb .12¼- —
bbls., c.l., same basis. lb .12 - —
1-lb. pkgs., c.l., same basis lb .14 - —
imported, crude, 78°, 100 ton lots lb .03½- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.35
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —

Nepheline syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns lb 2.00 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb .50 - —
Carbonate, bbls., dlvd. lb .48 - .50
Chloride, bbls., dlvd. lb .23 - —
Cyanide, bots., dms lb 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb .43½- —
Metal, electro cathodes, cs lb .40 - —
Nitrate, bbls., works lb .24½- .25½
Oxide, black, bbls. lb .42 - —
Sulphate, bgs., c.l., dlvd. lb .18 - —
l.c.l., dlvd lb .18½- —
Nicotinamide, USP, dms., works kilo. 11.00 -11.30
Hydrochloride, dms., works kilo. 10.50 -10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm. 49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, bots., cbys lb 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l. lb .09 - .09½
l.c.l. lb .10 - .11
tanks lb .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb .28 - —
l.c.l., same basis lb .29 - .31
18-25 cps., bbls., c.l., same basis lb .30 - —
l.c.l., same basis lb .31 - .33
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis lb .32 - —
l.c.l., same basis lb .33 - .35
spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb .33 - —
basis lb .33 - —
l.c.l., same basis lb .34 .36

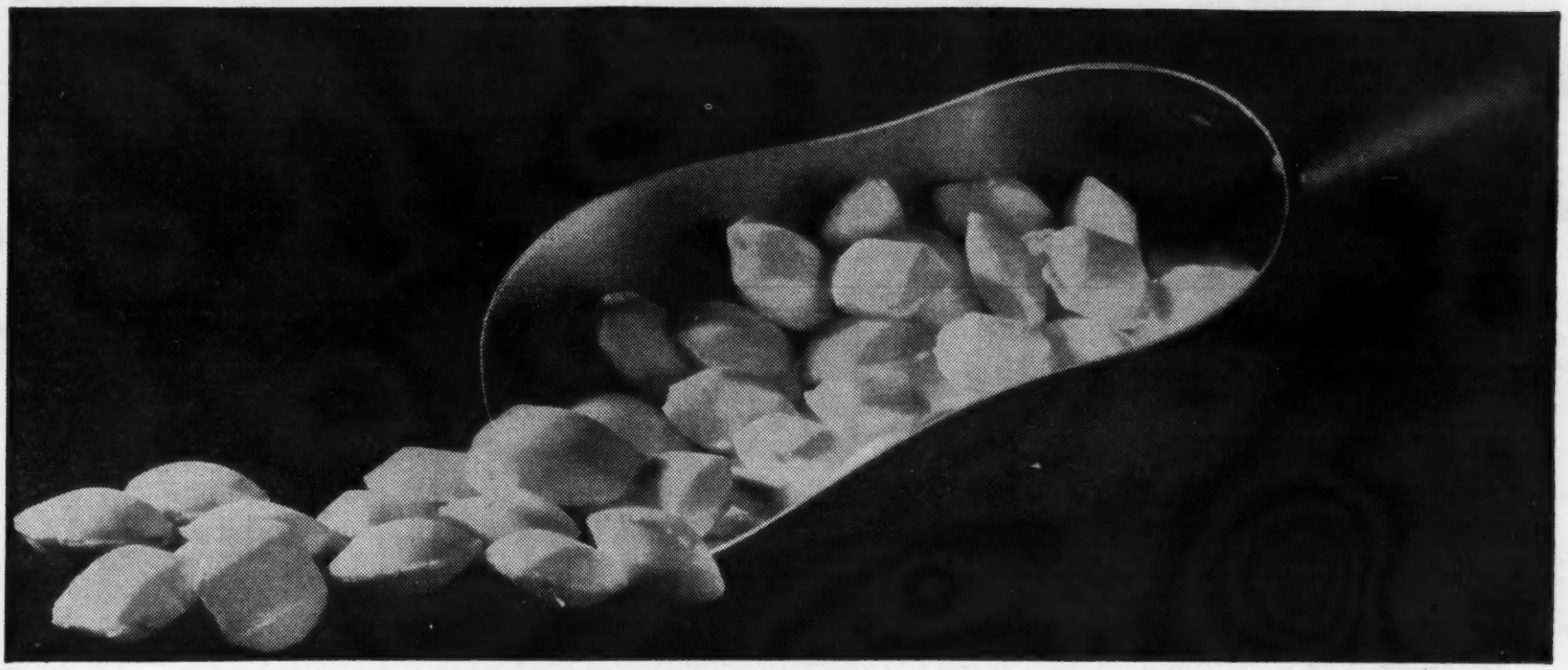
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works lb .30 —
Nitrogen solution, tanks, works, N. ton. 120.00 -126.23
Nitrogenous process tankage, bulk, works, ammo., ship't unit-ton. 3.60 - —
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., works lb .30 —
Nitropropane, 1, dms., works lb .30 - —
2, dms., works lb .30 - —
Nutgalls, Aleppo, bgs lb .43 - —
Chinese, bgs lb .38 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, bgs lb .42 - .43
futures, bgs lb .42 - .42½
West Indian, bgs lb .29½- .30
futures lb .28½- .29
Nux vomica, bxs lb .10 .12
powdered, bbls., bxs lb .13 .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. 19 —
l.c.l. gal. 21 .60
tanks gal. 15½- —
10° C. Bayonne, N. J., tanks gal 16 - —

NEW



MONSANTO MALEIC ANHYDRIDE BRIQUETTES

easier to use! safer to use! economical to use!

Monsanto's *new* maleic anhydride briquettes are available now in commercial quantities at no increase in price over maleic anhydride in flake or fused form. Compared with the chemical in the usual form, you will find Monsanto Maleic Anhydride Briquettes have the following qualities that work to *your* advantage:

1. SAFER . . . free of dust.
2. EASIER to weigh and handle.
3. EFFICIENT in application because of uniformity in size and shape.
4. LOW MOISTURE PICKUP . . . less hydrolysis.

Send for a sample and see for yourself how you will gain important advantages through using maleic anhydride briquettes. For complete customer service, Monsanto also offers maleic anhydride in flake and fused forms. For prompt response, mail the coupon, contact the nearest Monsanto Sales Office or write: MONSANTO CHEMICAL COMPANY, Desk L, Organic Chemicals Division, 1713 South Second Street, St. Louis 4, Missouri.

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My company uses maleic anhydride and I'd like to see Monsanto's new briquettes. Please send sample.

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Street_____

City_____ Zone____ State_____

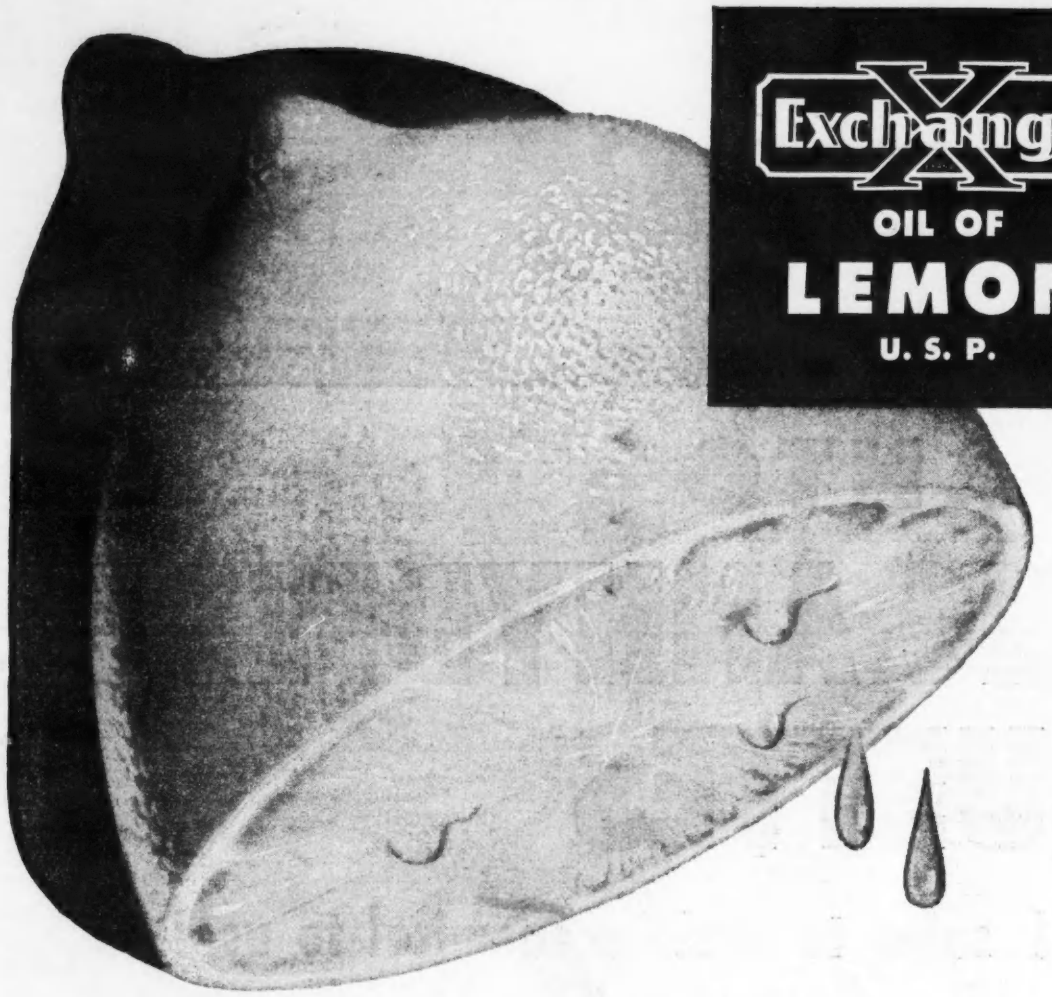
SERVING INDUSTRY . . . WHICH SERVES MANKIND

Octanol—Putty

Octanol, normal, tech., dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb. .32 - —
Oil, abies siberica, cns. lb. 4.00 - 4.60
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.40 - 5.00
NF, bots. lb. 3.25 - 3.50
Sweet, dms., cns. lb. .70 - .95
Amyris, dms. lb. 1.35 - 1.95
Angelica root, bots. lb. 120.00 -190.00
Seed, bots lb. 80.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.20 - 1.50
Apricot kernel, USP, dms. lb. .42 - .60
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, crude, tankcars lb. .18¼- —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.20 - 1.50
55-80%, cns. lb. 1.20 - 1.60
West Indian, 50-55%, cns. lb. 1.20 - 1.60
Bergamot, artif., cns. lb. 2.00 - 4.25
natural, Italian, cns. lb. 4.40 - 5.00
Birchtar, crude, cns. lb. .95 - 1.76
rectified, NF cns lb. 4.15 - 4.25
Bois de rose, Brazil lb. 2.90 - 3.50
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. 65 70
Cajeput, tech., dms lb. 1.65 - 2.00
redistilled, USP, cns. lb. 2.20 - 4.50
Calamus, cns lb. 20.00 -28.00
Camphor, natural, white, cns lb. .30 - .50
dms. lb. .25 - .50
Cananga, native, cns. lb. 2.75 - 3.55
rectified, cns lb. 3.50 - 4.55
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 3.65 - 6.50
Cardamom, NF, bots. lb. 54.00 -70.00
Cassia, USP, cns lb. 1.90 - 3.00
Castor, blown, dms., c.l. lb. .20¼- —
dms., l.c.l. lb. .20¾- —
Oil, castor, standard, USP, dms., c.l. lb. .18¼- —
l.c.l. lb. .18¾- —
tanks lb. .17¼- —
refined and deodorized, dms., c.l. lb. .19¾- —
l.c.l. lb. .20¼- —
tankcars lb. .18¾- —
dehydrated, bodied, dms., c.l. lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .21 - —
unbodied, dms., c.l. lb. .21 - —
l.c.l. lb. .21½- —
tanks lb. .20 - —
hydrogenated, dms., c.l., works. lb. .28 - —
l.c.l., same basis lb. .29 - —
No. 3, tech., dms., c.l. lb. .17 - —
l.c.l. lb. .17½- —
tanks lb. .16 - —
sulphonated, 50% (48% fat), dms. lb. .12 - .13
75% (60-62% fat), dms lb. 15¾- .16¼
Cedarleaf, tech., cns., dms. lb. 1.65 - 1.70
USP, dms. lb. 1.70 - 1.85
Cedarwood, cns. lb. .40 - .55
dms. lb. .34 - .50
Celeryseed, bots. lb. 15.00 -18.50
Chaulmoogra, NF, cns., dms. lb. .55 - 70
Chinawood (see Oil, tung).
Cinnamon bark, bots. lb. 27.00 -60.00
Leaf, Ceylon lb. 1.50 - 1.75
Seychelle lb. 1.35 - —
Citronella, Ceylon, cns. lb. 1.05 - 1.50
Java type, cns lb. 1.65 - 2.20
Clove, USP, from Madagascar buds, cns., dms lb. 1.45 - 1.85
from Zanzibar, buds, cns., dms. lb. 1.70 - 2.20
Oil, coconut, crude, tanks, Atlantic ports lb. .15½- —
Pac. Coast lb. .13½- —
refined, Cochin type, tax incl., dms., l.c.l lb. .23½- —
deodorized, tax incl., dms., l.c.l lb. .25 - —
Cod, Newfoundland, dms lb. .09 - .10
Codliver, USP, dms gal. 1.50 - 1.60
Coriander, bots lb. 29.00 -35.00
Corn, crude, tanks, works lb. .10½- .10¼
foots, acid, 95%, tanks, dlvd. E lb. .03¾- —
raw, 50%, tanks, dlvd. E lb. .01¼- —
refined, dms., New York lb. .15½- .16
tanks lb. .1340- —
Costus, bots. oz. 35.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .10 - —
foots, acid 95%, tanks, dlvd. E lb. .03½- —
raw, 50%, tanks, dlvd. E lb. .01¼- —
refined, dms. lb. .15½- .16
tankcars lb. .13¾- —
Creosote (see Creosote, coaltar).
Croton, NF, cns. lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. lb. 7.00 - 7.50
Cumin, bots. lb. 6.25 -11.50
Cypress, bots. lb. 11.00 -15.00
Degras (see D).
Dillseed, bots. lb. 6.75 - 9.50
Dillweed, bots., dms. lb. 5.65 - 7.50
Dip (see D).
Erigeron, cns lb. 5.00 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .70 - 1.45
70-80%, cns. lb. .58 - 1.30
Fennel, sweet, cns. lb. 2.50 - 3.00
Fir, Canada, cns. lb. 1.85 - 1.95
Fishliver, crude, for feeds or concentrating, 6,000 to 12,000 A units, dms., 1,000,000 units. .13 - .14
15,000 to 20,000 A units, dms. 1,000,000 units. .14¼- .14½
Oil, fishliver, crude, for feeds or concentrating, 25,000 to 35,000 A units, dms. 1,000,000 units. .16½- .17½
40,000 to 55,000 A units, dms. 1,000,000 units. .18 - .18½
prime, natural, or concentrate, 100,000 A units, dms. 1,000,000 units. .24 - —
200,000 A units, dms. 1,000,000 units. .28 - —
300,000 A units, dms. 1,000,000 units. .31 - —
400,000 A units, dms. 1,000,000 units. .33 - —
500,000 A units, dms. 1,000,000 units. .36 - —

Prices of crude fishliver oils are based on E-x-2000 (International) factor. Prices on prime oil and concentrates are based on E-x-1894 (USP) factor.

Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots. oz. 9.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 9.75 -11.50
Bourbon, cns. lb. 11.00 -14.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb. 21.00 -28.00
Grapefruit lb. .80 1.25
Grease, No. 1, dms. lb. .11½- .12
extra, Winter, strained, dms lb. .12¾- .13¼
prime, burning, dms. lb. .14¼- .14¾
Guaiacwood cns lb. 1.85 2.15
Hemlock, cns lb. 1.65 - 2.75
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 7.00
twice rectified lb. 4.75 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 1.20 - 1.85
Lavender flower, French, 40-42% ester, cns lb. 4.15 - 5.15
38-42% ester, cns. lb. 3.20 - 5.15
30-32% ester, cns. lb. 2.20 - 3.25
Spike, Spanish, cns lb. .90 - 1.60
Lemon, USP, Calif., cns. lb. 2.75 - 3.00
Messina lb. 2.55 - 5.00
terpeneless, bots lb. 32.00 -65.00
Lemongrass, cns., dms. lb. 2.25 - 3.00
Lignaloe seed, Mexican, cns lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 5.20
Lime, distilled, Mexican, cns. lb. 5.25 - 5.75
West Indian, cns. lb. 5.75 - 7.50
expressed, West Indian, cns. lb. 6.75 -11.25
terpeneless, bot lb. 55.00 -65.00
Linseed, raw, dms., c.l., Zone 3 lb. .1850- —
l.c.l. lb. .1910- .1950
tankcars lb. .1730- —
tankwagon lb. .1760- —
Boiled linseed oil .007 higher than raw
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 - —
Penna., W, cylinder, 600-680 flash, tanks gal. .33 - —
600-650 steam refd., tanks. gal. .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks. gal. .37 - .39
200 vis., 25 pour, tanks. gal. .39 - .41
South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks. gal. .11 - .12
red, 200 vis., 4-6½ pour, tanks gal. .11 - .12½
Mace, dist., cns., dms. lb. 3.55 - 4.35
Mandarin, Brazilian, cns. lb. 4.00 - 9.25
Italian, cns. lb. 6.75 - 9.75
Menhaden, crude, tanks, Balto. lb. .05½ Nom.
refined, alkali, dms. lb. .1180- —
kettle-bodied, dms. lb. .1330- —
light-pressed, dms. lb. .1080- —
tanks lb. .0920- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, dms. lb. .19½- .20
synthetic, cns., expressed, dms. lb. 1.40 - 1.70
Neatsfoot, 15°, dms. lb. .28 - .28½
20°, dms. lb. .27 - .27½
30°, dms. lb. .21 - .21½
Neroli, French, bots. lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Niaouli, cns. lb. 2.30 - 3.25
Nutmeg, dist., East Indian, cns., dms. lb. 3.55 - 4.35
West Indian, cns., dms. lb. 3.55 - 3.85
Ocotea cymbarum, dms. lb. .70 - .95
Oiticica, liquid, dms. lb. .24 - .25
Oleo, extra, trcs. lb. .16 Nom.
Olibanum, bots lb. 4.50 - 7.65
extra fine, bots lb. 6.25 -10.50
Olive, commercial, dms gal. 1.90 - 2.10
edible, Spanish, dms., duty-paid gal. 2.70 - 2.80
Moroccan dms., duty-paid. gal. 2.60 - 2.70
foots, dms lb. .15 - .15¼
Orange, sweet, natural, dist., cns., lb. .25 - .60
expressed, USP, Brazilian, cns lb. .80 1.25
Calif., cns. lb. .60 - 1.00
Florida, cns., dms. lb. .42 - 1.00
Messina, coppers lb. 2.45 - 5.50
West Indian, cns. lb. 2.25 - 3.75
sesquiterpeneless, bots. lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, Congo, dms. lb. .1110- —
tankcars lb. .10½- —
Palmarosa, cns lb. 6.25 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb No prices
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal. .11½- —
Patchouli, dms. lb. 18.50 -22.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast lb. .10⅞- .11
foots, acid, 95%, tanks, dlvd. E lb. .03½ Nom.
raw, 50%, tanks, dlvd. E lb. .01¾ Nom.
refined, dms. lb. .16 - .16½
tanks, New York lb. .14¼- —
Pennyroyal, USP, dom., cns. lb. No stocks.
imported, cns lb. 4.60 - 5.50
Peppermint, natural, dms. lb. 5.00 - 6.25
redist., USP, dms lb. 5.40 - 6.55
Persic, USP (see Oil, apricot kernel).
Perilla crude, dms lb No stocks
Petitgrain, Paraguay, cns. lb. 2.15 - 2.80
Pimento berry, dms. lb. 3.85 - 6.00
leaf, cns lb. 1.55 - 1.95
Pine, dest.-dist., dms., incl., c.l., works, South gal. .55 - —
l.c.l., works, South gal. .56 - —
ex whse., N. Y. C. gal. .67 - —
tanks, works, South gal. .45 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C lb. .09½- —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal 13½- —
light, dms gal .16½- —
tankwagon gal .12½- —



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PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Oil, rapeseed, tankcars	lb.	.16 -	—
Red, single dist., dms	lb.	.12¼-	.13¼
tanks	lb.	.11 -	—
saponified, dms	lb.	.11½-	.12½
double dist., dms	lb.	.14¾-	.15¾
tanks	lb.	.13½-	—
Rose, natural, Bulgarian, coppers	oz.	25.00	-38.00
Rosemary, Spanish, tech., cns., dms	lb.	.90	- 1.50
USP, cns., dms	lb.	1.05	- 1.60
Rosin, first rectified, dms	gal.	.66	- —
2d rectified, dms	gal.	.68	- —
3d rectified, dms	gal.	.78	- —
Rue, bots	lb.	3.25	- 5.00
Sage, clary, bots.	lb.	13.50	-16.00
Dalmatian, cns.	lb.	4.00	- 5.50
Spanish, cns.	lb.	.85	- 3.50
Sandalwood, NF, cns	lb.	12.25	-16.30
Sardine, crude, tanks, Pac. coast.	lb.	.06 -	.06¼
refined, alkali, dms	lb.	.1180-	—
kettle-bodied, dms.	lb.	.1330-	—
light-pressed, dms.	lb.	.1080-	—
tanks	lb.	.0920-	—
Sassafras, artificial	lb.	.44 -	.65
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.80 -	2.20
Savin, cns	lb.	2.50 -	2.75
Savory, cns	lb.	5.00 -	—
Seal, 2% acid, duty extra, dms	lb.	.13 -	—
Sesame, ref., dms., l.c.l	lb.	.41 -	—
Shingle stain, bbls., c.l., works	gal.	.2185-	—
l.c.l., works	gal.	.25 -	.29
tanks, works	gal.	.15 -	.16
Snakeroot, Canada, cns	lb.	18.75	-25.00
Snakeroot, Canada, cns	lb.	18.75	-25.00
Soybean, crude, tanks, mills	lb.	.10 -	—
foots, acid, 95%, tanks, dlvd. E	lb.	.04½-	—
raw, 50%, tanks, dlvd. E	lb.	.02 -	—
refined, alkali, dms., c.l	lb.	.13¾-	—
l.c.l.	lb.	.1335-	.1435
tanks	lb.	.12½-	—
clarified, dms., c.l.	lb.	.1220-	—
l.c.l.	lb.	.1295-	.1335
tanks	lb.	.11½-	—
edible, dms.	lb.	.14½-	.14¾
tanks	lb.	.12¾-	.13
Spearmint, dms.	lb.	3.10 -	4.10
Sperm, bleached, winter, 45°, tankcars	lb.	.1520-	—
drums	lb.	.1620-	.1670
natural winter 45°, dms	lb.	.15 -	.15½
tankcars	lb.	.15 -	.15½
Spruce, cns., dms	lb.	1.65 -	2.75
Sunflower-seed, unp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
Sweet birch, Northern, cns	lb.	4.50 -	7.50
Southern, cns.	lb.	1.95 -	3.65
Tall, crude, tanks, works	ton.	40.00 -	—
refined, dms., c.l., works	lb.	.06 -	—
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05 -	—
Tallow, acidless, dms	lb.	.11 -	.11¾
Tansy, dms.	lb.	8.75 -	9.00
Tar, pine, coml., dms., incl., c.l., works, South	lb.	.045 -	—
l.c.l., works, South	lb.	.0473-	—
whse., N.Y.C.	lb.	.0595-	—
tanks, works, South	lb.	.035 -	—
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	—
Tar acid (see T).			
Teaseed, dms.	lb.	No stocks.	
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns	lb.	2.05	3.35
white, cns	lb.	2.30 -	3.80
technical, white, cns	lb.	.35	1.00
Tung, dom., tanks, mills	lb.	.26	Nom.
imported, dms., c.l.	lb.	.28 -	—
l.c.l.	lb.	.28½-	—
tanks	lb.	.26½-	—
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, NF, cns., dms	lb.	35	55
Vetiver, Bourbon, cns	lb.	12.60	-15.00
Haitian, cns	lb.	10.00	-15.00
Java, cns	lb.	12.00	-15.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb.	No stocks.	
Wheat germ, dms	gal.	10.00	-13.50
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.43 -	—
l.c.l., same basis	gal.	.48 -	—
65-75 vis., dms., same basis,	gal.	.44 -	—
l.c.l., same basis	gal.	.49 -	—
USP, 80-90 vis., dms., c.l., same basis	gal.	.45 -	—
l.c.l., same basis	gal.	.50 -	—
125-133 vis., dms., c.l., same basis	gal.	.53 -	—
l.c.l., same basis	gal.	.58 -	—
145-155 vis., dms., c.l., same basis	gal.	.60 -	—
l.c.l., same basis	gal.	.65 -	—
175-185 vis., dms., c.l., same basis	gal.	.62 -	—
l.c.l., same basis	gal.	.67 -	—
200-210 vis., dms., c.l., same basis	gal.	.65 -	—
l.c.l., same basis	gal.	.70 -	—
335-345 vis., dms., c.l., same basis	gal.	.69½-	—
l.c.l., same basis	gal.	.74½-	—
Wintergreen, nat., Northern, cns.	lb.	7.00	-14.50
Southern, cns	lb.	3.65	- 8.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns	lb.	3.60	- 4.25
Wormwood, cns.	lb.	6.25	- 6.40
Ylang-ylang, Bourbon, bots	lb.	7.00	- 8.25
extra, bots.	lb.	10.00	-11.00
Madagascar, bots	lb.	6.25	- 6.75
Olein, crude (see Oil, red).			
white, low titre, dms	lb.	.14¾-	.15¾
tankcars	lb.	.13½-	—
Oleostearin, bbls.	lb.	.09½-	.10
Olivine, aggregate, c.l., mines	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	—
paper, bgs., c.l., works	ton.	12.00	—
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21.90
powd., USP, cns.	lb.	21.65	-21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.10 -	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis St. Paul	lb.	.30¼-	—
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Chrome dinitroanilin toner	lb.	1.15 -	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.1810-	—
Molybdate	lb.	.43 -	—
Persian, bbls	lb.	.30 -	.45
Orange flowers, bls	lb.	.40	.45
Orange peel, bitter, Haitian, bls	lb.	.13 -	.15
Sweet, bls	lb.	.13 -	.17
Oregano, Mexican, bgs	lb.	.11 -	.11½
Portuguese, bgs	lb.	.18 -	.18½
Sicilian, bgs	lb.	.16 -	.17
Orris root, Florentine, bls	lb.	.20 -	.25
powdered, bbls., bxs	lb.	.26 -	.29
Verona, bls	lb.	.16 -	.21
powdered, bbls., bxs	lb.	.22 -	.23
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33 -	—
tanks, same basis	lb.	.31 -	—
Orthoamylphenol, dms., l.c.l., works.	lb.	.42 -	—
Orthoanisidin, bbls	lb.	.80 -	—
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60 -	—
smaller lots	lb.	.70 -	—
Orthochloroparanitroanilin, dms., works	lb.	.65½-	.70
Orthochlorophenol, dms., c.l., frt. equald	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
Orthocresol, pure, 30° C. non-ret., dms., c.l., frt. equald.	lb.	.1930-	.2405
l.c.l., same basis	lb.	.1960-	.2435
ret. dms., c.l., same basis	lb.	.1900-	—
l.c.l., same basis	lb.	.1930-	—
29° C. non-ret. dms., c.l., same basis	lb.	.1830-	.2305
l.c.l., same basis	lb.	.1860-	.2335
ret. dms., c.l., same basis	lb.	.1800-	—
l.c.l., same basis	lb.	.1830-	—
25 to 27° C. non-ret. dms., c.l., same basis	lb.	.1630-	.2080
l.c.l., same basis	lb.	.1660-	.2110
tanks, same basis	lb.	.1500-	.1950
Orthodichlorobenzene, 50-lb. cns	lb.	.12½-	—
100-lb. cns	lb.	.11½-	—
dms., c.l., works, frt. alld. E. of Rockies	lb.	.08½-	—
l.c.l., same basis	lb.	.09½-	—
tanks, same basis	lb.	.07 -	—
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher			
Orthoisopropyl N-phenylcarbanate (see IPC).			
Orthoisopropylphenol, dms., c.l.	lb.	.29 -	—
l.c.l.	lb.	.30 -	—
tanks	lb.	.28 -	—
Orthonitroanilin, dms	lb.	.50	.52
Orthonitrochlorobenzene, dms.	lb.	.17	.18
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.19½-	—
l.c.l., works	lb.	.20 -	—
tanks, works	lb.	.18 -	—
Orthonitroparachlorophenol, cns.	lb.	.75 -	—
Orthonitrophenol, dms.	lb.	.66 -	.77
Orthonitrotoluene, dms.	lb.	.12 -	—
Orthophenetidin, dms., works	lb.	.90 -	—
Orthotoluidin, dms., c.l., works	lb.	.19 -	—
l.c.l., same basis	lb.	.20 -	—
tanks, same basis	lb.	.18 -	—
Orthotolidin, distilled, kgs	lb.	1.10 -	—
Osage orange crystals, bbls., l.c.l	lb.	.33½-	—
extract, liquid, bbls., l.c.l	lb.	.15½-	—
Ouabaine, USP, oots	gram.	3.00	4.00
Ox gall, conc., gran., 6b. dms., 5 lbs. and up	lb.	2.50 -	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	4.25 -	—
smaller lots, works	lb.	4.30 -	5.00

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Pancreas substance, assay 1:75	lb.	5.75	6.25
Pancreatin, USP	lb.	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	- —
Papain, powd., NF, cs	lb.	1.75 -	2.50
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots	oz.	5.00	—
smaller lots	oz.	5.05	5.20
Sulphate, cns	oz.	7.10	7.35
Paprika, Chilean, bgs	lb.	.27 -	.30
Portuguese, bgs	lb.	.39	.40
Spanish, bgs	lb.	.41 -	.43
Para-anisidin, dms., works	lb.	.80	—

Oil, Rapeseed—Paraffin

Parachlorophenol, dms., c.l., frt. equald	lb.	.27 -	—
l.c.l., same basis	lb.	.28 -	—
Parachloroanilin, dms., frt. alld. E. Miss	lb.	70 -	—
Parachloro-orthonitroanilin, dms	lb.	No stocks.	
Paracresol, 98%, dms., works	lb.	.50	.65
Paracymene, dms., works, 50 gals. or more	gal.	2.50	—
smaller quantities	gal.	3.00 -	—
Paradibromobenzene, bgs., 500-lb. lots			
Paradichlorobenzene, dms., c.l., works	lb.	.11 -	—
l.c.l., same basis	lb.	.12½-	.14
Paraffin, crude, scale, white or yellow			
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb.	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0635-	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0635-	—
128-130 ASTM, loose, c.l., ref'y.	lb.	.0640-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0645-	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0660-	—
135-137 ASTM, loose, c.l., ref'y	lb.	.0795-	—

Paraffin prices in bgs. and ctns., 7/10c. per lb higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb higher.

Scents mean dollars!

Odormasque P gives a pleasant, mellow odor to paints, solvents, mineral terps, kerosene, insecticides, and similar items. It's extremely economical to use!

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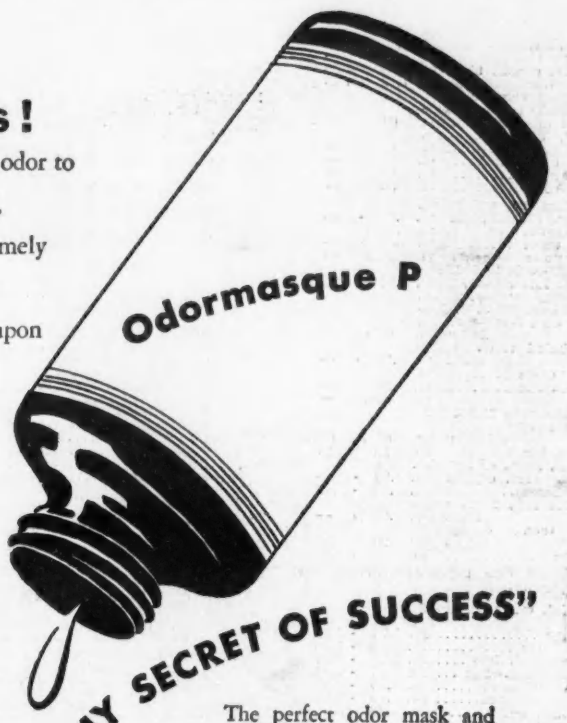

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ZONE_____ STATE_____

Paraformaldehyde—Propyleneglycol, Methylether

Paraformaldehyde, 94-95%, powd., dms., c.l., works lb. .13 - —
10,000 lbs. to c.l., works lb. .14 - —
1,000-10,000 lbs., works lb. .15 - .16
1,000 lbs., works lb. .17 - —
100 lbs., works lb. .20 - —
91-92%, flake, fib. dms., c.l., works lb. .11 - —
10,000 lbs. or more, works lb. .12 - —
smaller lots, works lb. .13 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13½
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .11 - —
USP, cbys lb. .51 - .53
Paranitroanilin, kgs., works lb. .44½- —
Paranitrochlorobenzene, kgs., works, lb. .18 - —
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works lb. .30 - —
Paraphenetidin, dms., works lb. .80 - —
Paraphenylphenol, bgs., works lb. .28 - .29
Paraphenylenediamine, crude, dms., works lb. .77 - —
redistilled, dms., works lb. 2.00 - —
technical, refined, dms., same basis lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
Parathion, tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - —
Pareira brava root, whole, ogs. lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - .40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E lb. .31 - —
l.c.l., same basis lb. .32 - .33
Passion flower herb, bls lb. .40 - .45
Patchouli leaves, bls lb. .40 - .45
Peanut meal, 45%, sacked, mills ton.59.00 - —
Pectin, citrous, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 100,000,000 to 25,000,000,000 unit lots.100,000 units. .04 - .05¼
Sodium, USP, unlabeled vials, 100,000 units vl. .09½- —
200,000 units vl. .14 - —
500,000 units vl. .29 - —
1,000,000 units vl. .56 - —
Crystalline, potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .34 - —
1,000,000 units vl. .67½- —
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .04½- .05¾
Procaine, regular or pulverized, bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .05¼- .06½
sodium, unlabeled vials, 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .35 - —
1,000,000 units vl. .68½- —
bulk, 100,000,000 to 25,000,000,000 unit lots 100,000 units. .05¼- .06½
Pennyroyal leaves, bls lb. .28 .30
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
DI and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal. .10½- 11½
Pepper, black, bgs lb. 1.26 - 1.27
Dec. arrival, bgs lb. 1.25 - 1.26
Dec.-Jan. shipment, bgs lb. 1.16 - 1.17
Jan.-Mar. shipment, bgs lb. 1.13 - 1.14
Red, Carolina, source lb. .46 - .47
Hontaka, bgs., futures lb. .65 - .66
Louisiana longs, bgs lb. .18 Nom.
Niger, capsicum, bgs lb. .38 Nom.
birdseye, bgs. lb. .65 Nom.
White, bgs lb. 2.40 - 2.45
Peppermint, USP, dom., bls lb. .50 - .70
imported, bls lb. .80 - .90
Pepsin, NF, bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld lb. .11 - —
zone 2, same basis lb. .11½- —
zone 3, same basis lb. .12 - —
zone 4, same basis lb. .12 - —
l.c.l., zone 1, same basis lb. .11¾- —
zone 2, same basis lb. .12¼- —
zone 3, same basis lb. .12¾- —
zone 4, same basis lb. .12¾- —
tanks, zone 1, same basis lb. .10½- —
zone 2, same basis lb. .11 - —
zone 3, same basis lb. .11½- —
zone 4, same basis lb. .11½- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms lb. .85 - 1.00
Petrolatum, USP, amber, dms., c.l., New York lb. .04½- —
l.c.l., same basis lb. .05¾- —
Cream, dms., c.l., same basis lb. .06½- —
l.c.l., same basis lb. .08 - —
Extra amber, dms., c.l., same basis lb. .05½- —
l.c.l., same basis lb. .06 - —
white lily, dms., c.l., same basis lb. .06½- —
l.c.l., same basis lb. .08¼- —
snow, dms., c.l., same basis, lb. .07½- —
l.c.l., same basis lb. .08½- —
soft, dms., c.l., same basis lb. .06¾- —
l.c.l., same basis lb. .07½- —
Yellow, soft, dms., c.l., same basis lb. .05 - —
l.c.l., same basis lb. .05½- —
Petroleum, crude, bulk, at wells, California bbl. 1.25 - 2.99
Illinois bbl. 2.45 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.23 - 2.65
Pennsylvania, lower field bbl. 3.40 - —
Upper field bbl. 2.70 - 3.40
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.93
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.375
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
Petroleum ether, laboratory, 40°-75° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
60°-160° C, ret. dms., ex tax, f.o.b. San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy, tanks, refinery bbl. 1.25 - 1.55
light, tanks, refinery bbl. 1.65 - 2.10
Eastern, tanks, Albany, N. Y. bbl. 2.40 - —
Baltimore, Md. bbl. 2.08 - —
Boston, Mass. bbl. 2.13 - —
Charleston, S. C. bbl. 2.03 - —
Jacksonville, Fla. bbl. 2.03 - —
New York, N. Y. bbl. 2.08 - 2.15
Norfolk, Va. bbl. 2.08 - —
Philadelphia, Pa. bbl. 2.08 - —
Portland, Me. bbl. 2.13 - —
Providence, R. I. bbl. 2.105 - —
Savannah, Ga. bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .081 - .115
Pennsylvania gal. .0875- .09
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0675- —
No. 3 gal. .06375- —
Bayonne, N. J., No. 2 gal. .08 - —
Group 3 No. 1 gal. .075 - .07875
No. 1, straw gal. .075 - .08
No. 2, straw gal. .06625- .085
range gal. .07375- .0875
Pennsylvania, No. 1 gal. .0925- .095
No. 2 gal. .0875- .095
No. 3 gal. .0875- .09
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, benzol-type, tanks, refinery gal. .12125- —
toluol-type, tanks, refinery, gal. .11125- .11375
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
group 3, tanks gal. .09875- .10375
tankwagon, Baltimore gal. .175 - —
Boston gal. .16 - —
Buffalo gal. .165 - —
Camden, N. J. gal. .15 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
Kansas City, Mo. gal. .182 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .18 - —
St. Louis gal. .19 - —
Syracuse gal. .19 - —
Washington, D. C gal. .175 - —
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .10875- —
tankwagons, St. Louis gal. .19 - —
Newark gal. .15 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .20 - .21
25-26° C., m.a.p., tanks, same basis gal. .19½- .24
270-370 b.r., 78-81° C., m.a.p., tanks, same basis gal. .23½- —
49° C., m.a.p., tanks, same basis gal. .26½- —
26-27° C., m.a.p., tanks, same basis gal. .19½- .24½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal. .19½- 26½
340-410 b.r., 27° C., m.a.p., tanks, same basis gal. .30½- —
32° C., m.a.p., tanks, same basis gal. .19½- —
36° C, m.a.p., tanks, same basis gal. .19½- —
340-440 b.r., 32° C., m.a.p., tanks, same basis gal. .25½- .27
360-480 b.r., 25° C., m.a.p., tanks, same basis gal. .19½- —
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 - —
Group 3, tanks gal. .10875- .11375
tankwagon, Boston gal. .175 - —
Chicago gal. .207 - —
Detroit gal. .224 - —
Milwaukee gal. .209 - —
Minneapolis gal. .207 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. 1.52 - —
East coast, N. J., N. Y., gal. .13 - —
Group 3 tanks gal. .10375- .11375
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .195
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .10375- .10875
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston gal. .16 - —
Chicago gal. .197 - —
Detroit gal. .214 - —
Milwaukee gal. .199 - —
Minneapolis gal. .197 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .14 - —
Pittsburgh gal. .175 - —
St. Louis gal. .19 - —
Syracuse gal. .19 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms. lb. 4.00 - 4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies, lb. .1275- —
l.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .1275- —
l.c.l., same basis lb. .1350- —
tanks, same basis lb. .1100- —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .1425- .1500
tanks, same basis lb. .1250- —
Phenolphthalein, USP yellow, bbls., dms., 2,000 lbs lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF, fib. dms., 18,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.65
100%, bots lb. 4.00 - 4.75
Phenylacetamide, dms., works, lb. lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanoamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots lb. 3.00 - 3.07
Hydrochloride, CP, bots., works, lb. 5.00 - 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 - 1.60
Phlororglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 4.50 - 7.00
tech., fib., dms., works lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D)
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.755 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.155 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.805 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.805 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.905 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —

plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

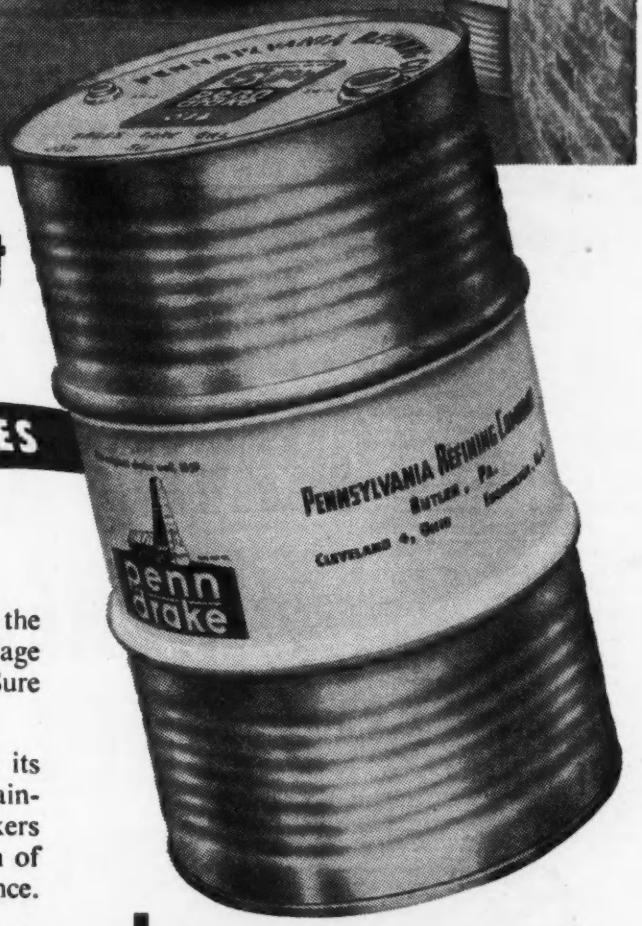
Tennessee, brown, run of mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorpnous, cs lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns. lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 - .16
Phthalimide, bbls., works lb. 1.10 - 1.37
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb. .22½- —
Picht leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, USP, bots oz. 8.00 - —
Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .22 - .23
Pinetar, retort, dms., incl., c.l., works, South lb. .045 - —
l.c.l., same basis lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 - —
Pinkroot, bls lb. 1.60 - 1.70
Piperidine, 95%, dms., frt. equald, lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton.34.00 - —
l.c.l., works ton.36.00 -37.00
Cottonseed, dms., works lb. .08 - .08½
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms. lb. .06 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 4.97 - —
Soybean, dms., works lb. .06½ Nom.
Plaster of paris (see Gypsum)
Platinum metal, works oz.69.00 -72.00
Pokeroot, bls lb. .13 - .14
Pleurisy roots, bls lb. .25 - .26
Podophyllin, NF, dms lb.12.45 - —
Polystyrene, plain colors, dms., 29,920 lbs., frt. alld lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .32 - —
smaller lots, same basis lb. .34 - —
special colors, dms., 29,920 lbs., same basis lb. .32 - —
20,020 lbs. to 20,920 lbs., same basis lb. .35 - —
smaller lots, same basis lb. .37 - .50
water-clear, dms., 29,920 lbs., same basis lb. .26 - —
20,020 lbs. to 20,920 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - —

Polystyrene in bgs. ½c. per lb. lower.

Pomegranate root bark, bgs lb .68 - .70
Poppy flowers, bls lb. .50 - .55
Seed, Dutch, bls lb. .15 - .15½
Polish, bgs. lb. .13¾- .14
Turkish, bgs. lb. .13¾ Nom.
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
l.c.l., works 100 lbs. 10.50 - —
liquid, dms., c.l., 45%, works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —
Potash, caustic, regular, flake, 88-92%, dms., c.l., works lb. .0615- —
l.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
l.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
l.c.l. works lb. .0830- —
Potassium abietate lb. .06 —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 .22
powd., dms lb. .22 .24
Bichromate, bgs., c.l., works lb. .12¾- —
l.c.l., bgs., works lb. .13¼- .13¾
Potassium bichromate in bbls., ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works ton.192.00 - —
ton lots, works ton.245.50 - —
less ton lots, works ton.250.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs lb. .60 —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
l.c.l., same basis lb. .0855- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., l.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .99
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works lb. .09¾- —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 - —
Glutonate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .23 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, 50-lb. lots, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.96
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½- —
Trona, Cal unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, kgs., c.l., works lb. .13½- —
dms., l.c.l., works lb. .14 - .15
Permanganate, tech., dms., works, lb. .21¾- .22¾
USP, dms., works lb. .23½- .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., works, lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .18 - —
Silicate, glass, bgs., c.l., works ton.200.00 - —
l.c.l. 100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4 works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., warms lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works ton.32.50 - —
indust, bulk, works ton.36.00 - —
NF, cryst., bbls lb. .31 - .33
gran., dms lb. .18½- —
powder, dms lb. .17 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, cryst., NF, dms lb. .70 - .78
tech., works lb. .45 - .50
Titanate, cns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .13
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-30% MGO, works ton.14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .50 - .53
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .48 - .58
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Prickly ash bark, bls lb. .23 - .25
Berries, bgs lb. .50 - .75
Prince's pine herb, bls lb. .50 - .55
Procaine hydrochloride, USP, dms., contract, 1,000-lb. lots lb. 3.75 - 4.50
1,000-lb. lots lb. 4.50 - —
smaller lots lb. 4.00 - 5.00
Progesterone, USP, 100 gms gm. 1.75 - —
Propane, commercial grade, tanks, group 3 gal. .02½- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. equald. E lb. .16½- —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Tech., dms., c.l. frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald, lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —

On every drum for every product Penn-Drake specifies:

EQUIPPED WITH TRI-SURE CLOSURES



MORE than 1,000 Penn-Drake products are shipped all over the world. And they are shipped in perfect security from seepage, leakage and tampering—because every Penn-Drake drum is protected by Tri-Sure Closures*.

Years ago, the Pennsylvania Refining Company determined to give its products—and the reputation behind them—the finest protection obtainable. So in 1932, when the Tri-Sure Closure was first produced, the makers of Penn-Drake standardized on Tri-Sure protection—for every drum of every product—and they have been using Tri-Sure Closures ever since.

Leaders in the petroleum industry like the Pennsylvania Refining Company have *proved*—with years of experience—that there is no protection like Tri-Sure protection for fine liquid products. And the reason is that Tri-Sure Closures have a *flange* that is integral with the drumstock—as strong as the drum itself; a *plug* which is screwed securely into the *flange;* and a leak-proof *seal*—made of 195 lb. plate—which cannot be removed unless it is deliberately destroyed.

When you order drums, order *safe deliveries*—by specifying "Tri-Sure Closures", the surest safeguard for *your* product and your prestige.

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CLOSURES

*The "Tri-Sure" Trademark is a mark of reliability backed by 27 years serving industry. It tells your customers that genuine Tri-Sure flanges (inserted with genuine Tri-Sure dies), plugs and seals have been used.

Play Safe by Specifying Tri-Sure Closures on Drum Orders

A FEW OF THE MORE THAN 1000 PENN-DRAKE PRODUCTS

Premium Penn-Drake
100% Pure Pennsylvania Motor Oils
Pennsylvania Bright Stocks and Neutrals
Penn-Drake Lubricants and Greases
Industrial Oils (Soluble and Quenching)
Colonel Drake Heavy Duty Oil
Colonel Drake Diesel Oils
Solvents
Insecticide Bases
Hydraulic Oils
Penn-Drake Gumout
Penn-Drake Snow Plow Wax
Drakeol U.S.P. White Mineral Oils
Petrolatums
Petrosuls (Petroleum Sulphonates)
Petrobases
Penn-Drake Anti-Freeze

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Propylthiouracil—Rutin

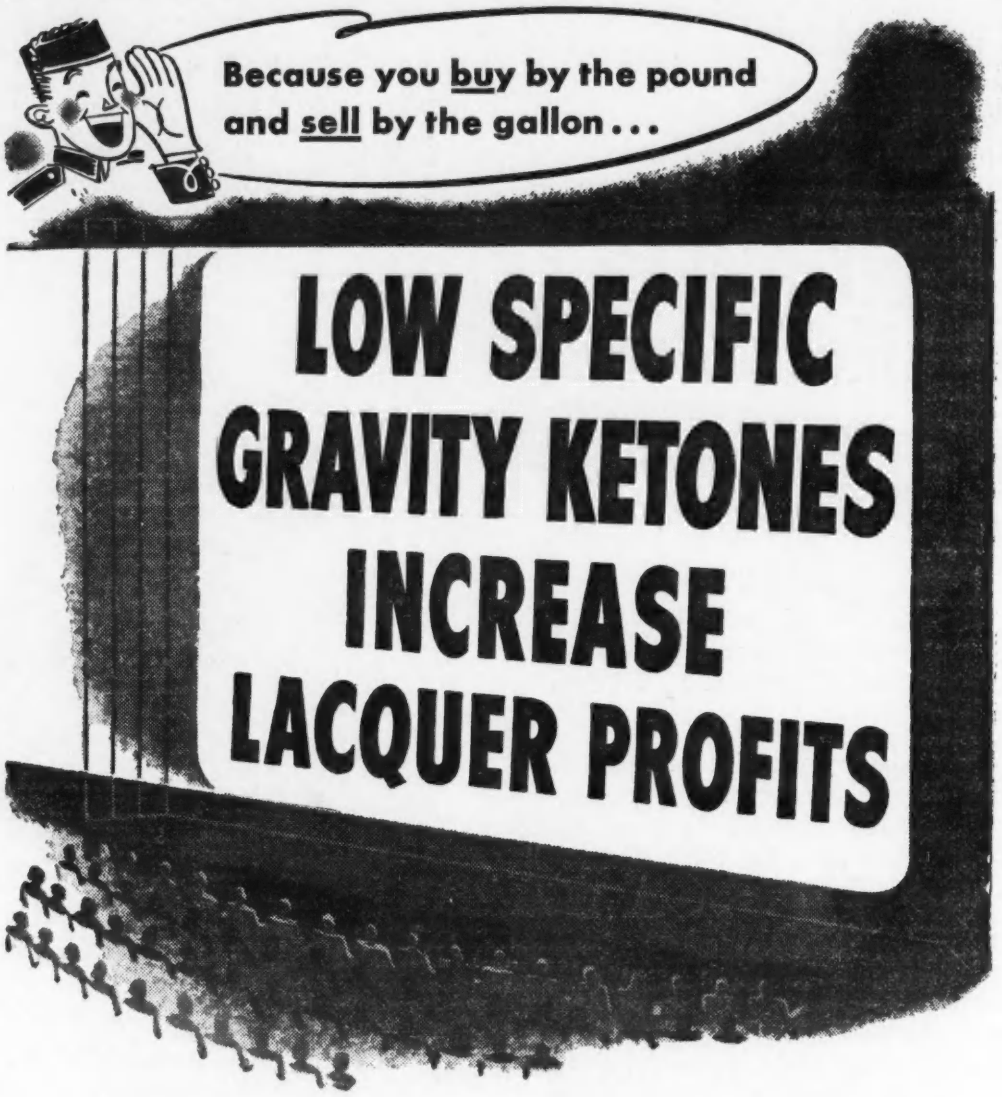
Propylthiouracil, bots., 50 kilos or more, works	kilo.	55.00	—
smaller lots, works	lb.	55.10	-55.30
Psyllium seed, black, bgs	lb.	.22	.25
blonde, bgs	lb.	.19	.21
husks, bgs	lb.	.45	.55
Pulsatilla herb, bls	lb.	.45	.50
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3 bgs., ton lots.	lb.	.03⅜	.0[illegible]
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03⅞	.04¼
fine, bgs., ton lots	lb.	.03⅜	—
smaller lots	lb.	.0[illegible]	.04
Italian, silk-screen, fine, bgs., ton lots	lb.	.04	—
coarse, bgs., ton	lb.	.05½	—
sun dried, fine, bgs., ton lots	lb.	.03	—
coarse, bgs., ton lots	lb.	.04½	—
Pumice in bbls ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	18	26
Purple lake (see Red)			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	10.75	-11.00
Liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works	gal.	9.00	9.50
regular base, dms. works,	gal.	8.90	9.40
(30 to 1) base, 3 grams pyrethrins, per 100cc., odorless base, bbls., works.	gal.	13.30	—
regular base, dms., works,	gal.	13.20	—
Flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.42	.44
powder, 1.3% pyrethrins, bbls., works	lb.	.53	.56
Pyridin, denaturing, dms., works and frt. equaid., c.l.	gal.	2.00	2.69
l.c.l.	gal.	2.00	2.72
refd., 2°, non-ret. dms., c.l., same basis	lb.	.79½	—
l.c.l., same basis	lb.	.80	—
ret. dms., c.l., same basis	lb.	.79	—
l.c.l., same basis	lb.	.79½	—
Pyridoxine hydrochloride, 100-gram lots	gram.	.85	—
Pyrites, Spanish, c.i.f. Atl ports. long-ton		8.00	—
Pyrocatchin (see Catechol).			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	-11.50
230 mesh bulk, c.l., mines	ton.	12.00	—
325 mesh, bulk, c.l., mines	ton.	15.00	—
No. 3, 200 mesh bulk, c.l., mines.	ton	9.50	—
Insecticide grade, 200 mesh, bgs., c.l., mines	ton.	12.00	-12.50
rubber grade, 140 mesh, bgs., c.l., mines	ton.	10.00	-10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.			
Pyroxylin scrap, opaque, amber, cs., works	lb.	.17	—
black, cs., works	lb.	.14	—
gray, cs., works	lb.	.14	—
mixed, mottled, cs., works.	lb.	.12	—
white, china, ivory, cs., works.	lb.	.17	—
dense, cs., works	lb.	.17	—
translucent, pastels, cs., works.	lb.	.17	—
transparent, colorless, cs., works.	lb.	.19	—
colors, cs., works	lb.	.17	—
Pyroxylin scrap, transparent, shavings, opaque, amber, cs., works	lb.	.15	—
mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—
USP, bots., dlvd	lb.	9.54	—

Q

Quassia chips, bls	lb.	.08	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra	lb.	.16½	Nom.
liq., 35% tannin, bbls., works.	lb.	.08½	Nom.
tanks, same basis	lb.	.07¾	Nom.
solid, 64% tannin, bgs., c.l., duty extra	lb.	.09	—
powd., 70% tannin, bgs., c.l., same basis	lb.	.17	Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis	lb.	.06 5/16	
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.			
Queen of the meadow root, bgs	lb.	.14	.15
Quercitron crystals, bbls., l.c.l	lb.	.33½	—
Extract, liquid, bbls., l.c.l	lb.	.14½	—
solid, bxs	lb.	.28	—
Quicksilver, flasks (76 lbs.) net, 100 flask lots	flask.	71.00	—
smaller lots	lb.	73.00	-75.00
Quince seed, bgs	lb.	.90	1.50
Quinidine, NF V, cryst., cns	oz.	1.90	—
powd., precip., cns	oz.	1.85	—
Sulphate, USP, cns	oz.	1.25	—
Quinine, NF, cns., 100 ozs	oz.	.70	—
Bisulphate, USP, cns., 100 ozs	oz.	.51	—
Dihydrochloride, USP	oz.	.70	—
Ethylcarbonate, NF, cns., 100 ozs.	oz.	.75	—
Quinine hydrobromide, NF, cns., 50-oz. cns	oz.	.63	—
Hydrochloride, USP, cns., 100 ozs.	lb.	.63	—
Phosphate, NF, cns., 100 ozs	oz.	.76	—
Salicylate, NF, cns., 100 ozs	oz.	.66	—
Sulphate, USP, cns., 100 ozs	oz.	.56½	—
Quinine-urea hydrochloride, NF, cns	lb.	.68	—
Quinolin, dms., c.l., works	lb.	50¾	.54½
l.c.l., same basis	lb.	.51¼	.55
tanks	lb	.50	.51

R

R salt, paste, dry basis, dms.	lb	70	.75
Raspberries, dried, bbls.	lb.	1.90	2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45	2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita			
Cadmium, CP, dark shade, bbls., frt. alld., E. of Rockies	lb.	3.65	—
light shade, bbls., same basis.	lb.	3.50	—
medium shade, bbls., same basis	lb.	3.60	—
medium-light shade, bbls., same basis	lb.	3.55	—
orange shade, bbls., same basis	lb.	3.15	—
orange-red shade, bbls., same basis	lb.	3.35	—
lithopone, deep shade, bbls., same basis	lb.	1.35	—
light shade, bbls., same basis.	lb.	1.20	—
maroon shade, bbls., same basis	lb.	1.45	1.55
medium shade, bbls., same basis	lb.	1.30	—
medium-light shade, bbls., same basis	lb.	1.25	—
orange-red shade, bbls., same basis	lb.	1.15	—
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.			
Carmine, No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar)			
Eosin toner, bbls., works	lb.	1.40	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.11¼	.11¾
Iron oxide, synth., bgs	lb.	.11½	.11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis	lb.	.05¼	09¼
special, high color, all shades	lb.	1.00	—
Lake C toner alizarin, bbls., works.	lb.	1.05	—
Lithol toner, bbls., works	lb.	.80	—
Lithol-rubin toner, alizarin, lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25%, bgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20	—
regular, bbls., works	lb.	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNPT toner, kgs., works	lb	3.25	—
Maroons in smaller pkgs., 5c. per lb higher.			
Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.00	—
smaller lots, works	lb.	2.02	—
Metallic, bbls., works	lb.	02½	.02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	.06¾	07
Para toner, bbls	lb.	.85	.88
chlorinated, kgs	lb.	.95	1.05
concentrated alizarin lake, kgs., works	lb.	.80	—
Phloxin toner (see eosin toner)			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45	—
Pink lake, alizarin, bbls., works	lb.	.20	.25
Purple lake, kgs	lb.	1.35	—
Rose lake, alizarin, bbls., works.	lb.	.25	.28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½	.05¾
l.c.l., ex dock	lb.	.05¾	.06
ex whse., New York	lb.	.06½	—
grade 2, bbls., c.l., ex dock	lb.	.05¼	.05½
l.c.l., ex dock	lb.	.05½	.05¾
ex whse., New York	lb.	.06¼	—
Toluidin toner (MNPT), kgs., works	lb.	1.35	—
Turkey, bbls., works	lb.	.14½	—
Tuscan, bbls., frt. equald	lb.	.24½	.25
Venetian, 15%, bgs., works	lb.	.0350	—
20%, bgs., works	lb.	.0360	—
25%, bgs., works	lb.	.0410	—
30%, bgs., works	lb.	.0440	—
35%, bgs., works	lb.	.0465	—
40%, bgs., works	lb.	.0490	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, cns	lb.	2.27	—
Red Precipitate, NF, powd., fib. dms	lb.	2.17	2.19
Red saunders wood, powd., bbls	lb.	.50	—
Rennin, NF	lb.	6.50	—
Resorcinol, industrial, dms., c.l., works	lb.	.62	—
l.c.l., works	lb.	.63	—
tech., dms., c.l., works	lb.	.74	—
l.c.l., works	lb.	.75	—
USP, cryst., dms., works	lb.	2.50	—
powd., dms., works	lb.	2.70	—
Monoacetate, NF, dms	lb.	3.25	3.45
Rhatany root, bgs	lb.	.12	.14
Rhubarb root, whole, cs	lb.	1.05	1.10
powd., bbls.	lb.	1.15	1.20
Riboflavin, USP, bots	kilo.	125.00	—
Readily soluble, bots	kilo.	125.00	—
Rice bran concentrate, dms., Cedartown, Ga.	lb.	79	—
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs	lb.	.28½	—
smaller lots	lb.	.29	.30
Rose flowers, pale, bls	lb.	.20	.24
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12	.17
Portuguese, bls.	lb.	.07	.07½
Spanish, bls.	lb.	.07½	.08
Rosin, gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works.	100 lbs.	4.23	—
FF, dms., c.l., works	100 lbs.	5.50	—
G, H, I, dms., c.l., works.	100 lbs.	6.54	—
K, dms., c.l., works	100 lbs.	6.54	—
M, dms., c.l., works	100 lbs.	6.54	—
N, dms., c.l., works	100 lbs.	6.54	—
WG, dms., c.l., works	100 lbs.	6.54	—
WW, dms., c.l., works	100 lbs.	6.81	—
X, dms., c.l., works	100 lbs.	6.91	—
Rotenone, CP, bbls., works	lb.	20.00	—
tech., works	lb.	16.50	—
Rottenstone, bgs., c.l., mines	ton.	36.00	—
l.c.l., mines	ton.	43.00	—
Rue herb, bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.06	.07½
5 kilos, fib. dms	gram.	.06	.07½
smaller lots, fib. dms	gram.	.06½	.08



Ketones have a lower specific gravity than other active solvents—this means *more gallons of lacquer sold* per pound of raw material purchased.

Be sure YOUR solvents also offer these advantages:

1. High solids content
2. Freedom from cold-check problems
3. High diluent tolerance
4. Low viscosity formulations

Have you heard the *full* story on the cost-cutting advantages of Ketone Solvents? Call your Shell Chemical Representative and have him point out the basic factors that will enable you to profit by the competitive advantage of Ketone formulations.

SHELL CHEMICAL CORPORATION

Eastern Division: 500 Fifth Avenue, New York 18 Western Division: 100 Bush Street, San Francisco 6

LOS ANGELES • HOUSTON • ST. LOUIS • CHICAGO • CLEVELAND • BOSTON • DETROIT • NEWARK

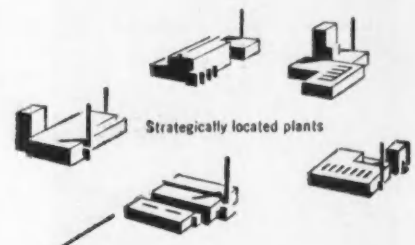
S

Sabadilla seed, powd., bbls ..... lb. .45 - .50
activated ground with lime, bbls .. lb. .26 - .27
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots ..... lb. 1.60 - 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots ..... lb. 1.65 - 1.85
Safflower, Egyptian, bls ..... lb. .80 - .85
Saffron, Mexican, bls ..... lb. .95 - 1.00
Spanish, USP, tins ..... lb. 17.00 -18.00
Safrol dms ..... lb .68 .75
Sage, Cyprus, bales ..... lb. .08 - .09
Dalmatian, bls. ..... lb. .58 Nom.
Greek, fancy, bls ..... lb. .15 - .16
Spanish, bls ..... lb. .08 - .09
Syrian, bgs ..... lb. .21 Nom.
Sago flour, bgs ..... lb. .05½- —
Saligenin, ctns., works ..... lb. 14.00 -25.00
Salol, NF, gran., bbls., kgs ..... lb. 1.00 —
6b. dms ..... lb 1.02 1.03
powdered salol 10c higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. ..... 100 lbs. 1.19 - 1.22
paper bgs., c.l ..... 100 lbs. .88 - —
l.c.l. ..... 100 lbs. 1.09 1.12
Table, vacuum, common, fine, bgs., works, c.l 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 1.32
Saltcake, dom., bulk, dlvd. 100% Na_2SO_4 basis ton. 22.00 -24.00
Saltpeter, cryst., bbls., 10 tons. 100 lbs. 13.90 - —
smaller lots ..... 100 lbs. 14.15 -14.40
gran., bbls., 20 tons ..... 100 lbs. 9.25 - —
smaller lots ..... 100 lbs. 10.50 -11.00
powd., bbls., 20 tons ..... 100 lbs. 10.25 - —
smaller lots ..... 100 lbs. 11.50 -12.00
NF, gran., dms ..... lb. .15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms. ..... lb. .75 - .76
Sanguinarine nitrate bots oz. 4.75 5.50
Santonin, NF, cryst., powd., ens. kilo. No stocks.
Saponin No 1. ens lb. 2.45 —
Sarsaparilla root, dom., bls ..... lb. .30 - .40
Honduras, bls. ..... lb. .40 - .45
Mexican, bls ..... lb. .24 - .30
Sassafras bark, ord., bls ..... lb. .35 - .40
select, bls ..... lb. .50 - .55
Savory, French, bls ..... lb. .14 - .15
Spanish, bls ..... lb. .12 - .12½
Saw palmetto berries, bgs. ..... lb. .23 .24
Scammony resin, lump, ens ..... lb. 2.10 2.25
powd., ens ..... lb. 2.20 2.30
Root, bgs ..... lb. .11 - .14
Schaeffer's salt, bgs. ..... lb 60 67
Scopolamine hydrobromide, bots oz. 20.50 -24.50
Hydrochloride, bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. 25¾- —
smaller lots ..... lb. 26¼- —
dms., 100 lbs. or less ..... lb. 27¼- .31¼
Selenium, powd., ens. 10-lb. lots lb. 2.10 —
cs., 1,000-lb lots lb. 2.00 —
Senega root, bls. ..... lb. 1.60 - 1.65
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs ..... lb. .19 - .21
Tinnevelly, No. 1, bls ..... lb. .17 - .24
No. 2, bls ..... lb. .14 - .19
No. 3, bls ..... lb. .10 - .11
Pods, bls ..... lb. .12 - .15
powdered, bls., bxs ..... lb. 16 - .22
Serpentaria root, bls ..... lb. 2.20 - 2.30
Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Chinese, white, nat., bgs ..... lb. .11½- .12
hulled, bgs. ..... lb. .20 - .21
Nicaragua, hulled ..... lb. .22 - .25
Salvadorean ..... lb. .13 - .13½
Turkish, yellow ..... lb. .14½- .15
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .60½- —
bbls., 1,500-lb. lots ..... lb. .61 - —
kgs., 1,500-lb. lots ..... lb. .63 - —
refined, bgs., 1,500-lb. lots ... lb. .70½- —
bbls., 1,500-lb. lots ..... lb. .71 - —
kgs., 1,500-lb. lots ..... lb. .73 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs ..... lb. .56 - .57
No. 2, bgs ..... lb. .54 - .55
Superfine, bgs., 10 bgs ..... lb. .52 - .53
TN, bgs., 10 bgs ..... lb. .49 - .50
Shellac in 1 to 9 bgs., 1c. more.
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ..... ton. 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l. works ..... ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20½
Silver bullion, ingots, cs ..... oz. 73¼- —
Cyanide, fib. dms., 2,2500-oz. lots. oz. .66¾- —
1,000-oz. lots ..... oz. .67 - —
500-oz. lots ..... oz. .67¼- —
100-oz. lots ..... oz. .67½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46¾- —
1,000-oz. lots ..... oz. .48 - —
500-oz. lots ..... oz. .48¾- —
250-oz. lots ..... oz. .49 - —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls lb. .85 Nom.
Skullcap herb, Eastern, bls ..... lb. .60 - .65
Western, bls ..... lb. .30 - .35
Skunk cabbage root, bls ..... lb. .30 - .35
Slate flour, bgs., c.l., works ... ton. 11.00 -12.00
l.c.l., ex whse ..... ton. 20.00 -60.00
Sloe berries, bgs ..... lb. .33 - .35
Smalt, black, ctns ..... lb. .11 —
Blue, ctns ..... lb 19 —
Snakeroot, Canada, bls ..... lb. .40 - .45
Soapbark, bls. ..... lb. .20 .23
crushed, bls., bbls ..... lb. .22 - .26
cut, foreign, bbls ..... lb. .23 - .26
powd., bbls. ..... lb. .27 .29
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l., stock points 100 lbs. 2.75 4.52
bbls., c.l., works 100 lbs. 2.00 —
l.c.l., stock points 100 lbs. 3.25 5.02
bulk, c.l., works ... 100 lbs. 1.10 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.25 - —
l.c.l., stock points 100 lbs. 2.65 4.42
bbls., c.l., works ... 100 lbs. 1.90 —
l.c.l., stock points ... 100 lbs 3.15 4.92
bulk, c.l., works ... 100 lbs. 1.00 - —
Caustic, flake, powd., 76% dms., c.l., works 100 lbs. 3.45 - —
l.c.l. stock points 100 lbs. 4.80 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 —
rayon-type, tanks, works, dry basis 100 lbs. 2.40 2.50
70% sellers' tanks, works, dry basis 100 lbs. 2.50 —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l. stock points 100 lbs. 4.40 6.27
Sal. bgs. c.l. ex car 100 lbs. 1.55 —
l.c.l. bgs., ex whse 100 lbs. 1 75 —
Soda-lime USP, dms lb .23 .25
Sodium acetate anhyd., dms., works lb 10 .11½
NF, cryst., bbls., works ... lb. .16 —
Sodium alginate, refined, water soluble, bbls, works .. lb. .79 - —
semi-refined, bbls., works ... lb. .46 - —
NF, white, powd., dms., works, ton lots .. lb. 1.25 - —
smaller lots ..... lb. 1 30 - 1.65
Aluminate, 20,000 lbs., or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs., works. 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd ..... lb. .32 —
Arsenate, dealers, dms., c.l., works, lb. .12 —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works ... gal. .70 - 1.00
l.c.l., works ..... lb. .11¾- .11⅞
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l. works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works ... lb. .10 - —
l.c.l., works ..... lb. .10¼- 10¾
Sodium bichromate, in bbls., ¼c. higher
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis ..... lb. .13½- —
Bisulphate, bulk, c.l., works ... 100 lbs. 1.75 - —
dms., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.90 - —
Bisulphite, powd., bags, c.l., works 100 lbs. 3.75 - —
l.c.l., works ... 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works ... 100 lbs. 1.10 - —
l.c.l., works ... 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .33 - 34
Sodium, Cacodylate, NF, bots., dms lb. 7.00 - 8.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, gran., dms lb. .05¾- .06¼
Chlorate, cryst., dms., c.l., works, lb. .07½- —
l.c.l., works ..... lb 07¾- 08¼
powd., kgs., works lb 09 —
Chloride, tech. (see Salt).
USP, dms ..... lb. .21 - —
Chlorite, tech., dms., works lb .25 —
Chloroacetate, tech., dms., c.l., works lb. .20 —
l.c.l., dms., works lb. .21 .22
Chromate, bbls., dms., c.l., works, lb. .11⅜- —
Citrate, USP VIII, bbls ..... lb. .21½- —
dms. ..... lb. .22½ 26½
USP XIII, gran., bbls ..... lb. .26 —
dms. ..... lb. .29 .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 —
Cyanide, 96-98%, dms. ..... lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½ .12¼
anhydrous, dms., works ... lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works ..... lb. .10¾- —
95%, bbls., c.l., works .... lb. .10¾- —
l.c.l., works ..... lb. .11 - —
Fluoroacetate, monobasic, 8-oz. tins, 50 to a case, works. lb. 12.00 - —
2 to 25 tins to case, works lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb. 16.50 -21.00
tribasic, tons ..... lb. 11.00 - —
Sodium formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. ..... 100 lbs. 8.15 - —
Gluconate, dms. ..... lb. .83 - .85
Glutamate, monobasic, kgs ... lb. 1.55 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. ..... lb. 1.70 1.85
solution, 75%, cbys ..... lb. .96 - 1.06
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 —
l.c.l., frt. alld ..... lb. .21½- .22
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms ..... lb. .23 —
Hypophosphite, NF, 50-lb. lots, dms lb. 85 88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars ..... lb. 2.47 - 2.68
Lactate, edible, 50%, dms., c.l., works lb. .18 - —
l.c.l., dms., works .... lb. 18¾- —
tech., 50%, dms., c.l., works lb. .12½- .15
l.c.l., dms., works lb 13 .15¾
Metaborate, octa-hydrate, gran., bgs., c.l., works ton. 73.00 —
l.c.l., works ..... ton. 118 00 -123.00
tetrahydrate, c.l., bbls., works. ton. 184.50 —
Sodium metaborate in bbls. $20 per ton higher.

Sabadilla Seed—Sodium Metaborate

Convenient sales offices—ample local stocks the nation over

Specialized technical service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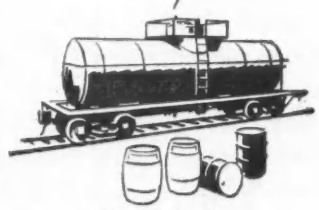
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TRADE MARK REG. U.S. PAT. OFF.

With today's costs of manufacturing so high, it's the wise chemical buyer who considers his purchases from every angle. Price and specification alone are no longer basis enough for a buying decision.

There is a good deal more a buyer can expect—speed of delivery, technical service, big-plant capacity to assure continued supply, knowledge of the industry and experience with its problems. On all these counts, more and more manufacturers agree, "it pays to specify Solvay."

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Nytron • Sodium Bicarbonate • Specialty Cleansers

Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sodium Metal—Sulphabenzamide

Sodium metal, dms., works lb. .18½- —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 -
l.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 5.00
Molybdate, anhyd., works lb. .51½- .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls lb. 60 - .65
Nitrate, crude, dom., bgs., c.l., works ton.48.50 - —
bulk, c.l., works lb.45.00 - —
imp., 100-lb. bgs., c.l., All Gulf, Pac. whse. ton.51.50 - —
bulk, c.l., same basis ton.48.00 - —
USP, dms lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminosalicylate, dms., 1,000 lbs. or more, works lb. 8.00 - —
smaller lots, works lb. 8.05 - 9.00
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .21½- —
l.c.l., same basis lb. .22½- .24¼
Sodium pentachlorophenate pellets, bgs., c.l., same basis lb .21 - —
l.c.l., same basis lb. .22 - .24
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .18 - —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd., dms. lb. .41 - .42
Phosphate, dibasic, anhydr, bgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs. 7.25 - 7.50
cryst., bgs., c.l., wor's. 100 lbs. 3.35 - 3.60
l.c.l., works 100 lbs. 3.75 - 4.00
USP, dried, powd., dms., works lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald. 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Sodium prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.00 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
l.c.l., frt. equald 100 lbs. 7.40 - —
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, USP, cms lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs. 3.96 - 4.36
zone 3 100 lbs. 4.25 - 4.65
zone 4 100 lbs. 4.96 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 5.65
Silicate, 40°, trub'd., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton.16.00 -17.00
Sodium silicate, 52°, turbid, dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.15
tanks, works con.32.00 —
Silicofluoride, bbls., c.l., works lb. .04 - —
l.c.l., works lb. .04½- —
Stannate, dms., works, frt. alld. E. lb. .483 - .540
Stearate, tech., bbls., works lb. .40 - —
USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .20 - .23
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls lb. .17 - .19
gran., bbls. lb. .15½- .17½
Sulphide, flake, bbls., c.l., works. frt. equald 100 lbs. 4.50 —
l.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 —
l.c.l., same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 3.75
crystals, bgs., c.l., works 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼ —
liquid, 45%, basis 100%, tanks, works ton.95.00 —
Thiocyanate, CP, dms lb. .55 .65
tech., dms., works lb. .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.65 - —
Tungstate, tech., kgs., works lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .22 .22½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½ .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coal tar, tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .25 - —
150 F. flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. 15¾- —
Soybean meal, 41% bulk, Decatur. ton.61.00 -62.00
protein, chemically isolated, 40,000 lbs., works lb. .18½- —
20,000 lbs., works lb. .18¾- —
smaller lots, works lb. .19 - .22½
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 1.00 - 2.95
Spearmint leaves, bls lb. .52 - .55
Spikenard root, bls. lb. .40 45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼ —
Squaw vine, leaves, bls lb. .33 - 38
Squill, red, fortified, powd., bbls. boxes lb. 1.50 1.60
White, bls. lb. .11 - .13
powd., bbls., bxs lb. .16 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.27 - —
Chicago 100 lbs. 4.62 - —
l.c.l. 100 lbs. 5.42 - —
powd., paper bgs., c.l. 100 lbs. 5.38 - —
Chicago 100 lbs. 4.73 - —
l.c.l. 100 lbs. 5.53 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l. lb. .0630- —
l.c.l. lb. .07¼- .07½
Rice, bgs. lb. .11½- —
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0596- .0646
Stavesacre seed, bgs lb. .60 .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .19 - .20
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 —
Carbonate, 90%, bbls lb. .15½- .16½
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 2.85
Strophanthin, NF, bots oz.39.00 —
Strophanthus seed, Kombe, bgs lb. 3.00 3.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 —
Styrolyl acetate, bots lb. 2.50 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - 4.60

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PAPER
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COATED FABRICS
PLASTICS
TEXTILE
CERAMICS
VITREOUS ENAMEL
GLASS
WELDING ROD
INK
LEATHER
BUILDING MATERIALS

brightens, whitens, tints...

RUBBER

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TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

Sulphabenzamide sodium, dms., works lb. 4.25 - 4.60
Sulphadiazin, USP, dms., works lb10.25 -10.75
free flowing crystals, dms., works lb.11.25 -11.75
micro crystals, 99.9%, not over 10 microns, dms., works lb.10.40 -10.90
Sulphadiazin sodium, USP, dms., works lb.11.25 -11.75
Sulphaguanidin, USP, dms., works lb. 4.50 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
micro crystals, 99.9%, not over 10 microns, dms., works lb.10.40 -10.90
Sulphamerazin, sodium, USP, dms., works lb.11.25 -11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.50
Sulphanilamide, 30-60 mesh, 10c. higher
Sulphanilamidoquinoxaline, veterinary, dms. lb.12.00 -12.25
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 8.00
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 3.80
free flowing crystals, dms., works lb. 4.00 - 4.50
micro crystals, 99.9%, not over 10 microns, dms., works, lb. 3.65 - 3.95
Sulphathiazole-sodium, USP, dms., works lb. 3.50 - 3.80
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.50
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs, c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
l.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dlvd lb. .18 - —
Sumac bark, 28%, grd., bgs., ex dock ton.63.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaf, 28% grd., bgs., ex-dock, ton.67.00 -68.00
Superphosphate run-or-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. 78 .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bus lb. 1.50 1.70

T

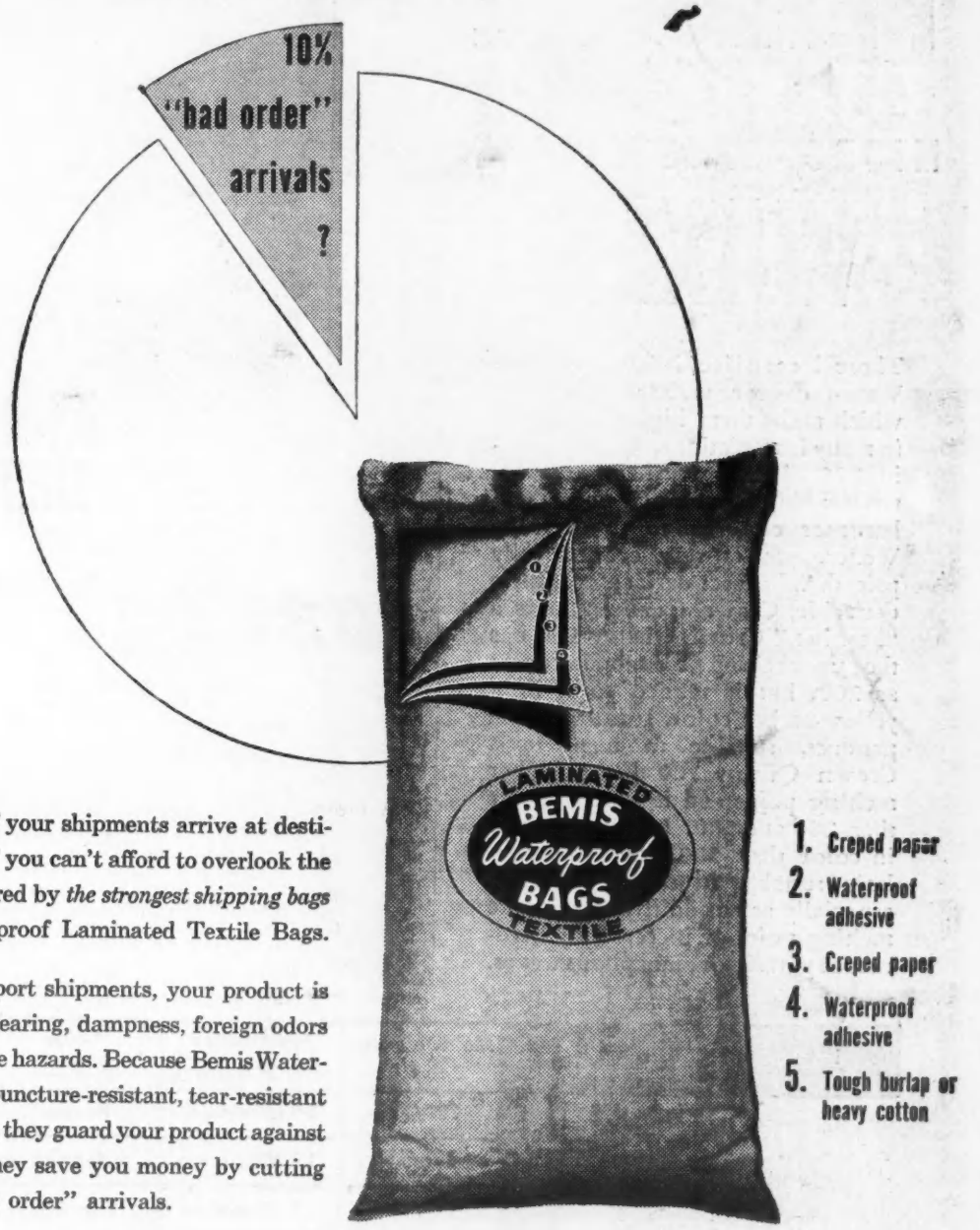
Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l ton.26.50 -28.00
98.5-99.5%, 325 mesh bgs., c.l., works ton.23.00 -26.00
l.c.l., works ton.25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton.12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .06 - —
fancy, loose, same basis lb. .06¼- —
special, loose, same basis lb. .05¾- —
sulphonated, 25%, dms. lb. .06 - .06½
50%, dms. lb. .03½- .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg.10.00 - —
Tankage, animal, feeding, 9-11% ammon, bulk unit-ton. 8.00 - —
Chicago unit-ton. 8.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs. lb. .09 - .09¼
medium grades, bgs lb. .07¾- .08¼
low grades, bgs lb. .06¾- .07¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .63 - —
tanks, same basis gal. .52 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs lb. .80 - .90
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .80
Terpinglycol ether, dms., c.l., works, lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cas., dms. lb .60 1.03
prime, cns., dms lb .55 - .95

ferra alba (see Gypsum)
Testosterone propionate, USP, 100 gms. gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works, lb. .70 - —
Pyrophosphate, 40%, cns., dms., works lb. .65 .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.13.00 -15.50
Theobromine, bots., kgs lb. 5.00 - —
Salicylate, fib. dms lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms lb. 4.00 4.45
Sodio-Salicylate, fib dms lb. 3.15 3.50
Theophylline, USP, bots., kgs lb. 6.00 - 6.15
Thiamine hydrochloride, USP, dms., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16 - .17
Spanish, bls. lb. .08½- .09
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms lb. 6.80 - 6.90
Timbo root (see Cube root).

Tin chloride (stannous), anhyd., dms. works lb. .76¼- .77¼
Crystals, hydrous, bgs., bbls., works lb. .62½- —
Metal, R.F.C. lb. .83 - —
Straits lb. .83 - —
Oxide, bbls lb. .90 - .91
Sulphate, stannous, bbls., kgs., works lb. .877 - .897
Tetrachloride, anhyd., dms., wks. lb. .512 - .522
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, bgs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd E. lb. .21½- —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 53-gal. dms lb. .54½- .53
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb .40 - 1.00
Tolu balsam, cns., dms lb. 2.00 - 2.10

Toluene (see Toluol).
Tolidin base (see Orthotolidin).
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .21½- —
Birmingham, Ala gal. .20¼- —
Chicago district gal. .23½- —
Cleveland district gal. .23 - —
Dangerfield, Tex gal. .23½- —
Geneva, Utah gal. .19 - —
Hamilton, Ohio gal. .22 - —
Johnstown, Pa gal. .20 - —
Lackawanna, N. Y. gal. .23 - —
Philadelphia, Pa gal. .24 - —
Pittsburgh district gal. .20 - —
Sparrow's Point, Md gal. .21½- —
St. Louis, Mo gal. .25 - —
Syracuse, N. Y. gal. .20½- —
Terre Haute, Ind gal. .24½- —
Woodward, Ala gal. .20¼- —
Wyandotte, Mich gal. .23 - —
Youngstown, Ohio gal. .20¼- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .23 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill gal. .25 - —
Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - .95
Toxaphene, dms., works, c.l. lb. .20 - —
truckloads, works lb. .20 - —
ton to truckloads, works lb. .23 - —
less than tons, works lb. .26 - —
Totaquine, USP, 100-oz. lots oz. .42 - —
Triacetin, dms., dlvd lb. .35½- —

Can you afford



1. Creped paper
2. Waterproof adhesive
3. Creped paper
4. Waterproof adhesive
5. Tough burlap or heavy cotton

If 10% or only 1% of your shipments arrive at destination in "bad order," you can't afford to overlook the special protection offered by *the strongest shipping bags made* — Bemis Waterproof Laminated Textile Bags.

In l.c.l., truck and export shipments, your product is exposed to puncture, tearing, dampness, foreign odors and other unpredictable hazards. Because Bemis Waterproof Bags are highly puncture-resistant, tear-resistant and moisture-resistant, they guard your product against such dangers. Thus, they save you money by cutting your losses from "bad order" arrivals.

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Bemis

BEMIS BRO. BAG CO., Waterproof Department
408-A Pine St., St. Louis 2, Mo.

Please send me complete information about Bemis Waterproof Bags for _____ (PRODUCT)

Name _____

Company _____

Street _____

City _____ Zone _____ State _____

Tributyl Citrate—Wax, Microcrystalline

Tributyl citrate, dms. lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld lb. .56½ - —
l.c.l. lb. .57½ - —
smaller containers lb. .71 - —
Tributylamine, oms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½ - —
Trichloroethane, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½ - —
Zone 2 lb. .11 - —
Zone 3 lb. .11½ - —
Zone 4 lb. .11 - —
Trichloroethylene, dm., c.l., prices ½c. higher, l.c.l. 1¼c. higher, Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricholine citrate, 65% solut., ret., cbys., works, frt. equald lb. 2.55 - —
Thicholine citrate work's prices equaled with N. Y., Phila., St. Louis, and Los Angeles.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .35½ - —
tanks, dlvd. lb. .33½ - —
petroleum, dms., c.l., dlvd lb. .34½ - —
l.c.l., dlvd. lb. .35 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½ - —
Triethylamine, dms., c.l., works, frt. alld lb. .31½ - —
l.c.l., same basis lb. .32½ - —
tanks, same basis lb. .30 - —
Triethyl citrate, oms lb. .34 - .36
smaller containers lb. .39 - .41
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½ - —
tanks, works, basis 100% lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29¼ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works, lb. .0175 - —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, 1:25, dms., works lb. 2.30 - —
1:50, dms., works lb. 4.25 - —
1:75, dms., works lb. 5.50 - —
1:100, fib. dms., works lb. 5.50 - —
Tryptophane, dextro-laevo, fib cans works kilo. 207.00 - 242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bgs lb. .38 - .38½
Haitian, bgs lb. No stocks.
Jamaica, bgs lb. .10½ - .11
Madras, bgs lb. .19½ - .20
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .23 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - —
l.c.l., same basis gal. .41 - —
N. Y. whse gal. 45 - —
tanks, works, South gal. .27½ - —
steam-dist., dms., incl., c.l., works gal. .50 - —
l.c.l., works, South gal. .56 - —
ex whse., NYC gal. .64 - —
tanks, works gal. .34 - —
Tyrothricin, bots gram 1.15 - 1.25

U

Urethane, USP, dms lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb .04½ - —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, anik, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
42% N, bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.58 - —
paper bgs., c.l., 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 98.00 - —
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west ton. 107.15 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton. 125.00 - —
C and D grades, same basis. tc.a. 123.50 - —
37 grade, same basis ton. 147.50 - —
Uva ursi leaves, bls lb .10 - .14

V

Valerian root, Belgian, NF, bls lb. .45 - .50
Valine, dextro-laevo, dms., works lb. 22.50 - 27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 61.00 - 62.00
Extract, powd., bgs., ex dock, duty extra lb. 14½ Nom
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.00 - 1.06
Vanilla beans, Bourbon, tins lb. 3.50 - 4.25
Mexican, cuts, tins lb. 4.00 - 4.25
whole, tins lb. 4.75 - 5.50
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½ - .17¼
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane).
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units, mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., 200,000 to 350,000 A units per gm 1,000,000 units. .28 - .33
351,000 to 450,000 A units per gm 1,000,000 units. .30 - .34
451,000 to 750,000 A units per gm 1,000,000 units. .33 - .37
751,000 or more A units per gm 1,000,000 units. .35 - .39

Minimum prices on natural Vitamin A acetate above prevail on quantities of five billion or more A units; the maximum of the above price range prevails on quantities less than one-half billion A units.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm 1,000,000 units. .40 - —
A, synthetic, palmitate, 800,000 A units per gm. 1,000,000 units. .40 - —
D_2 (see Calciferol).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls lb. 1.50 - 1.75
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 65.00 - —
merchantable, bgs., ex dock ton. 62.00 - 63.00
extract, liquid, 35% tannin, bbls., works lb. .04¾ - .05
tanks, works lb. .04¼ - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .06¾ - —
S. Afr., 62% tannin, ex dock, duty extra lb. .06¾ - —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot lb. No stocks.
Bees, bleached, USP, white, bricks, cs lb. .64 - .65
slabs, bgs lb. .63 - .64
crude, African, bgs lb. .44 - .45
Brazilian, bgs lb. .52 - —
Cent. American, bgs lb. .46 - .47
refined, yellow, bricks, cs lb. .56 - .57
slabs, bgs lb. .54 - .55
Candelilla, crude, bgs lb. .48 - .49
refined, bgs lb. .52 - .53
Powdered candelilla, 20 mesh, 5c. per lb. extra; 60 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs, ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .85 - .86
No. 3, crude, bgs., ton lots lb. .83 - .84
refined, bgs., ton lots lb. .87 - .88
yellow, No. 1, bgs., ton lots lb. 1.11 - 1.13
No. 2 lb. 1.09 - 1.11
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs lb. .75 - .76
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs., same basis lb. .13½ - —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p. ASTN, black, ctns., 20,000 lbs., same basis lb. .14½ - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Less than 20,000 lbs., same basis lb. .15½ - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. 20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —

PETROLITE

Crown Quality

MICRO-CRYSTALLINE

WAXES

These Petrolite Microcrystalline Waxes offer a variety of features which make them highly adaptable in many formulations. Crown Quality, 200, a brown wax, has the characteristic high melting point and hardness common to all Petrolite Waxes, yet is very economically priced. Whenever dark coloration is desirable, Crown Quality 200 is a "best bet." Crown Quality 500 has the same melting point and hardness as 200, but is refined to a light yellow-amber color. It is a versatile product, suitable to many uses. Crown Quality 700 has a higher melting point and is much harder than 200 and 500. It is even lighter in color than 500, and is particularly suitable in the paper field, especially as an additive to raise the melting point or increase the hardness of paraffin or amorphous waxes.

200
500
700

Featuring

HIGH MELTING POINTS
LOW PENETRATION

SPECIFICATIONS	Melting Point °F	Penetration with 100 grams	Color N.P.A.
200	190/195	10 Maximum	Brown
500	190/195	10 Maximum	2½ Maximum
700	190/195	5 Maximum	2 to 2½

IF you have a wax polish problem, ask for complete information on Crown Quality 1035 and the Petrolite EMULSIFIABLE WAXES, 23 and 36. Samples and complete information are yours for the asking.

SHIPMENTS IN QUANTITY IMMEDIATELY AVAILABLE

Petrolite

PETROLITE *Crown Quality* WAX

Petrolite Corporation, Ltd. ★ WAX DIVISION

30 Broad Street, New York 4 ★ REFINERY: Box 390, Kilgore, Texas

PW 49-9

Wax, microcrystalline 190°-195°m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom. black raw.....lb. .25 - .25½
refined .....lb. .31 - .32
Bohemian, bgs.....lb. .19 - .20
German, bgs. .....lb. .20 - .21
Ouricury, refined, bgs., ton lots, lb. .75 - .77
Spermaceti, blocks, cs.....lb. .31 - .32
cake, cs .....lb. .32 - .33
Sugar cane, crude, imp. bgs ..lb. .35 - .37
refined, dom., slabs, works..lb. .60 - .65
imp. bags, N.Y.....lb. .41 - .43
White lead (see Lead, white).
White pine bark, rossed, bls.....lb. .13 - .20
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works.....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l. .....whse. ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l. .....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls..lb. .06 - .07
rossed, bls.....lb. No prices.
thin, natural, bls.....lb. .13½- .16
rossed, bls.....lb. .17 - .18
Wild indigo root, bls.....lb. .30 - .31
Wild yam root, bls. .....lb. .16 - .17
Witch hazel leaves, bls.....lb. .20 - .25
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis..ton.40.00 -45.00
l.c.l., same basis.....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs.....lb. .13 - .14
Levant, bgs .....lb. 4.15 - 4.25
Wormwood leaves, bls.....lb. .40 - .45

X

Xanthorrhiza root, bls .....lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5° 7°, ref. dms., c.l., works, frt. equald lb. .21¾- —
l.c.l., same basis.....lb. .22¼- —
tanks, same basis.....lb. .21 - —
45°, dms., l.c.l., frt. equald....lb. .24 - —
fractions, over 7° C, dms., c.l., same basis..gal. .91 - —
l.c.l., same basis.....gal. .94 - —
tanks, same basis.....gal. .80 - —
Meta fraction, over 7° C, dms., c.l., same basis..gal. .96 - —
l.c.l., same basis.....gal. .99 - —
tanks, same basis.....gal. .85 - —
Xylidins, mixed, dms .....lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa.....gal. .26 - —
Birmingham, Ala.....gal. .23¼- —
Chicago district.....gal. .26½- —
Cleveland district.....gal. .26 - —
Dangerfield, Tex.....gal. .27 - —
Hamilton, Ohio.....gal. .25 - —
Johnstown, Pa.....gal. .24 - —
Lackawanna, N. Y.....gal. .24 - —
Pittsburgh district.....gal. .23 - —
Sparrows Point, Md.....gal. .26 - —
St. Louis, Mo.....gal. .28 - —
Syracuse, N. Y.....gal. .23½- —
Terre Haute, Ind. .....gal. .28 - —
Woodward, Ala. .....gal. .23¼- —
Wyandotte, Mich.....gal. .27 - —
Youngstown, Ohio .... gal. .23½- .25
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. ... gal. .28 - —
Bayonne, N. J.....gal. .28 - —
Baytown, Tex. .....gal. .25 - —
Chicago, Ill. .....gal. .27 - —
Detroit, Mich. .....gal. .28 - —
Philadelphia, Pa. ..gal. .28 - —
Providence, R. I...gal. .28 - —
Sewall's Point, Va..gal. .25½- —
Wood River, Ill... gal. .27 - —

Y

Yara, yara, ens.....lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms lb. .44 - .46
90 B units, per gram, 100 lb. dms lb. .49 - .51
200 B units, per gram, 100 lb. dms lb. .53 - .55
300 B units, per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .30¼- —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies .... lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, lb. .32 - —
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis..lb. 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works .lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works.....lb. .09 - —
l.c.l. works .....lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs..lb. 1.93 - —
smaller lots .....lb. 1.95 - —
Ocher American golden, bgs., works .lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .23½- —
Yellow dock root, bls.....lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls.....lb. .28 - .30
Yohimbine hydrochloride vls.....oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works....lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works.....lb. .35 - —
Zinc acetate, tech., bbls., dms....lb. .26¼- —
NF, dms. .....lb. .38 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. No stocks.
l.c.l., same basis..... lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E..lb. .12 - .15½
frt. alld. Pac. Coast ...lb. .15 - .17½
l.c.l., ship't pt., frt. alld. E .lb. .12½- .16
frt. alld. Pac. Coast....lb. .16¾- .19¼
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works..lb. .10¾- .11¼
precipitated, powd., dms.lb. .26 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
gran., bbls., c.l., works.100 lbs. 7.75 - —
l.c.l., works.....100 lbs. 8.15 - —
solution, 50%, dms., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.50 - —
tanks, works.....100 lbs. 3.25 - —
NF, gran., dms .....lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .38 - .41
Dust, bbls., c.l., works.....lb. .1225- —
dlvd. .....lb. .1250- —
l.c.l., works.....lb. .1260- .1325
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼- —
l.c.l. .....lb. .17¾- .18
Iodide, NF, jars.....lb. 4.85 - —
Zinc laurate, bbls.....lb. .45 - .46
Linoleate, solid, 9½%, bbls.....lb. .42½- —
Metal, slabs, E. St. Louis.....lb. .09¾- .10
Naphthenate, liquid, 8% Zn., frt. alld. lb. .20¾- —
10% Zn. dms., frt. alld.....lb. .25½- —
Oleate, fused, bbls.....lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. .11 - —
l.c.l., works.....lb. .11¼- —
American process, com'l, lead-free, bgs., c..., ship't point, frt. alld..lb. .11 - —
l.c.l., works.....lb. .11¼- —
leaded, 5%, bgs., c.l., ship't point, frt. alld..lb. .11 - —
l.c.l., works.....lb. .11¼- —
35%, bgs., c.l., ship't point, frt. alld..lb. .11¾- .12
l.c.l., works.....lb. .12 - .12¼
50%, bgs., c.l., ship't point, frt. alld..lb. .12½- .12½
l.c.l., works.....lb. .12¾- .12¾
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l., works.....lb. .13½- —
green seal, bgs., c.l., ship't point, frt. alld..lb. .12¾- —
l.c.l., works.....lb. .13 - —
red seal, bgs., c.l., ship't point, frt. alld..lb. .12¼- —
l.c.l., works.....lb. .12½- —
white seal, bgs., c.l., ship't point, frt. alld..lb. .13¼- —
l.c.l., works.....lb. .13½- —
Zinc oxide, USP, ctns., c.l., ship't point, frt. alld..lb. .14¼- —
l.c.l., same basis.....lb. .14½- —
Zinc oxide Pac. coast prices, etc., higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms..lb. .33 - .34
powd., bbls.....lb. .36 - .37
Resinate, fused, 1% Zn, dms., frt. alld..lb. .20 - —
precip., dms., frt. alld .....lb. .22 - —
Silicofluoride, bbls., works ....lb. .10 - .10½
Stearate, tech., USP, ctns., c.l. lb. .34 - —
ton lots .....lb. .35 - —
less ton lots .....lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.. 100 lbs. 4.55 - —
l.c.l., same basis . 100 lbs. 4.95 - —
flake, 25½%, Zn, bgs., c.l., works..100 lbs. 4.50 - —
l.c.l., works.....100 lbs. 4.90 - —
powd., 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 7.00 - 7.40
l.c.l., same basis ..100 lbs. 7.40 - 7.75
Zinc sulphate in bbls. 40c. higher
USP, gran., dms .....lb. .22 - .22½
Sulphide, pure, bgs., c.l., frt. alld..lb. .13¼- —
l.c.l., works.....lb. .13½- —
Barium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works.....lb. .08¼- —
Calcium, pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .08¼- —

—Continued on page 68

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Working Out Taxes

It is, to say the least, interesting to learn that the Federal government is giving some thought to the idea that industrial expenditures for the prevention, or amelioration, of water pollution by wastes be given special deduction status in connection with corporate income taxes. It will be a gladly welcomed new day in political economics when recognition is given in the application of taxes to what a corporation or other entity or an individual does to better his community or to lessen any burden of expense thereto.

The pollution of land, water, or air with wastes, be they industrial, municipal, or individual, is not in keeping with the stage of civilization of which mankind boasts—sometimes unjustifiedly; often idly. The cost of such pollution in many directions, from cleansing to health, is high. If it were taken from the cost of running the community—little or big—the reduction many times would be substantial. Whatever may contribute to that saving should be compensatorily recognized.

There are other areas of cost-saving for communities in which taxpayers well might be rewarded in kind. The providing of odd-job employment as a substitute for politically made work or relief is one. The Department of Labor says it is going to ask Congress to establish nationwide minimum standards for unemployment compensation. That would be a good thing—if the standards were used to save public money, rather than to use it too freely. Such saving can be done by making an end of the debasing concept that unemployment is desirable because it pays. Nobody should be paid for not working. There are so many things that need to be done.

There is work for all the unemployed of any community or section within the area thereof. Most cities, for example, could well use hundreds, even thousands, of workers in very necessary, quite desirable cleaning up. Such public work should be a prerequisite of all public pay.

Individuals are given no income tax exemption for expenditures for domestic services. Thousands of persons could be employed about the homes of any community. They would be employed if the scheme of income taxation were more flexible with reference to the cost of living.

Such individual employment would do much to ease the unemployment problems of a community and to lessen the cost thereof to the public funds. It would be quite logical in a strictly politicoeconomic sense to allow a taxpayer credit on his local levies to the extent that the employment he provided lessened the cost of unemployment to the community.

Much can be done to cut the cost of government by removing from government the doing of many things which should concern it only in a supervisory way. It is reasonable to ask that those who help in such cutting should be compensatorily recognized. The people of any community—in a geographical, political, commercial, or industrial sense—can keep it clean and provide it with work. What thus they may save for the community should be a direct saving for themselves. The working out of taxes should not be limited to work on the roads.

Taxation Is Real Job

The air is full of talk about taxes—all kinds of talk; all kinds of taxes. Most of the talk means little—it is entirely too one-sided. The talk embraces all the old stuff about the discouragement of investment by corporate taxation: that comes largely from those who deal in so-called "securities." The tax-dodging of cooperative enterprises is getting as many resultless words as ever.

The decimation, if not elimination, of excise levies—not all of them—has a thousand advocates—all too often arguing on selfish grounds of handicapped business, instead of on the fundamental fact that excises are not democratic because they cannot be equitable. It took a constitutional amendment to get around the constitutional "per capita" barrier to an income tax. Where is the exemption that permits excises to be anything but per capita? There should be no excise taxes.

Getting down to fundamentals and making them stick in its lawmaking representatives is the only way in which the public can even expect to effectuate the right kind of a tax scheme. It is not enough to argue that corporate dividends should not be so heavily double-taxed, if at all. There should be no income tax on the earnings of a corporation or any similar organization as such. The levy shuld be on those who get the money. It would be necessary, of course, to see that they got it. That would not be a particularly difficult task.

Much of the tax talk has to do with dodging—almost all in the corporate field. There are, it is true, too many loopholes for so-called "educational," "professional," "scientific," "charitable" getups. Their proper definition offers no particular problem in anything other than practical politics—politicomics, as it were. That should be no bar to the necessary correction.

Congressional committees are strong for giving hearings. The revenue-raising group (the ways and means committee) is no exception. Business should establish a committee which is, at least, as representative of its entirety as the house group is of the people—it would not be difficult, and it would be good, to get better representation. That committee should go into a huddle with the house group and work out a tax scheme that is fair in every respect. The narrow interests of business and the narrower interests of politics should be kept out of the deliberations. So-called "scientific" and other expert or legal counsel should also be largely excluded. The job is one for simple facts and simple arithmetic. The objective is the simple one of having everyone pay his equitable share of the cost of being properly governed.

For the Bookshelf

SUGAR AND SUGAR BY-PRODUCTS IN THE PLASTICS INDUSTRY. By Louis Long, jr., Ph.D. Technological report No. 5 (revised edition of scientific report No. 1). Paper; 66 pages. New York: Sugar Research Foundation.

SUGAR DERIVATIVES: A Survey of Potential Production Costs. By Harold E. Bode. Technological report No. 6. Paper; 35 pages. New York: Sugar Research Foundation.

THE UTILIZATION OF SUGAR CANE BAGASSE for Paper, Board, Plastics, and Chemicals. An annotated bibliography. Edited by Clarence J. West, Ph.D. Supplement to scientific report No. 3. Paper; 20 pages. New York: Sugar Research Foundation.

THE CHEMICAL PRODUCTION OF LACTIC ACID FROM SUGARS. By Rex Montgomery, B.Sc., Ph.D. Scientific report No. 11. Paper; 28 pages. New York: Sugar Research Foundation.

THE UTILIZATION OF SUCROSE BY THE MAMMALIAN ORGANISM. By Walter W. Wainio, Ph.D. Scientific report No. 12. Paper; 45 pages. New York: Sugar Research Foundation.

SCIENCE LOOKS AT SUGAR. Fifth report. Paper; 23 pages. New York: Sugar Research Foundation.

RESEARCH IN REVIEW: Trends and Achievements in Sugar Research. Sixth report. Paper; 46 pages. New York: Sugar Research Foundation.

The titles of these technologic treatises are adequate identifications of their industrial interest. They are amply descriptive of their scope. It is sufficient, then, to say that the reports are excellently prepared for the useful information of all who may be attracted by their titles. Necessarily, the presentation of the information must be concise; but there are expansive bibliographies—306 references in the report regarding plastics for example. The study of costs of derivations covers the several hundred organic compounds described in forty-seven of the Vogel Tabellen from No. 14 to No. 82.

These reports, and others in the series, are available without charge from the Sugar Research Foundation, 52 Wall street, New York 5.

SYNTHETIC AROMATICS, PERFUMES, ISOLATES, AND THEIR DERIVATIVES. Reported by R. S. Colborne, G. A. C. Pitt, B. Dudley Sully. Paper; photo-offset; 74 pages. Washington: Hobart Publishing Company. $6.

This is a very informative member of the series of technical reports published in cooperation with the Office of Technical Services. It comprises thirteen "targets"—Becker (in name only), Boehringer, Dragoco, Griesheim, Haarman & Reimer, Lienau et Cie, Ludwigshafen, Raschig, Riedel de Haen, Schering Kahlbaum, Vanillin Fabrik, and Vogt. The data relate to fifty-six compounds, ranging from amylcinnamic aldehyde to vanillin. It is BIOS final No. 1725.

These technical reports on German chemical products and processes have a special sort of informative value. They are not those magic formulas which are so popularly believed to be all that is necessary to make anything—especially in the fields of aromatics. These reports are guides; they require complementation with a goodly measure of acquaintance with the particular subject and more than a smidge of knowhow. But, they are useful for those who know how to use them. Their story, by and large, is one of helpful hints.

Washington Talks It Over

—*Continued from page 5*

little or no change in their present equipment. Several planning and development groups have recently searched the register in an effort to find patents covering articles which could be profitably produced with equipment now in place in their respective towns.

A short nontechnical description of patents on the register in any desired classification together with the owner's name and address will be furnished free upon application to the Patent Office.

Among the patents in the latest list are production of ketogluconic acid (2,467,442), purification of cobalt solution (2,476,284), isolation of acetylesterase from citrus waste (2,458,171), extraction and purification of subtilin (2,459,139), dispersion of proteins in aqueous detergents (2,459,708), preparation of isocyanate derivatives of proteins (2,460,980), N-acylated derivatives of glutamic acid (2,463,779), dehydrochlorination of chlorinated fatty acids and esters (2,466,340), gluten sulphate and salts thereof (2,472,267), keratin derivatives (2,474,339), treating hydrophilic colloids to avoid swelling (2,474,367).

Technical Data Embargo

The Office of International Trade has set up a voluntary system of control over exports of unclassified technical data of an advanced nature that may be significant to the national security. Persons who desire to export advanced technical data which may be important to national security are requested, prior to taking any action, to secure an official opinion from OIT as to the desirability of transmitting such data.

The voluntary plan covers advanced technical developments, technology, information, and "know-how," including prototypes and special installations. In addition, the plan applies to those unclassified items of security significance which are listed in executive proclamation 2776—arms, ammunition, and implements of war which are under export control by the State department. It does not cover the export of advertising catalogs or pamphlets, assembly and operating directions, or other technical information of this type generally available to the trade or the public through published materials.

OIT was encouraged to set up the "screening" system by the many requests it has been receiving from people who wished to send technical data out of the country but at the same time were not certain of its security importance. It may be recalled that the National Security Resources Board appealed to the public some months ago to be careful of the information it sends abroad—even such commonplace things as road maps.

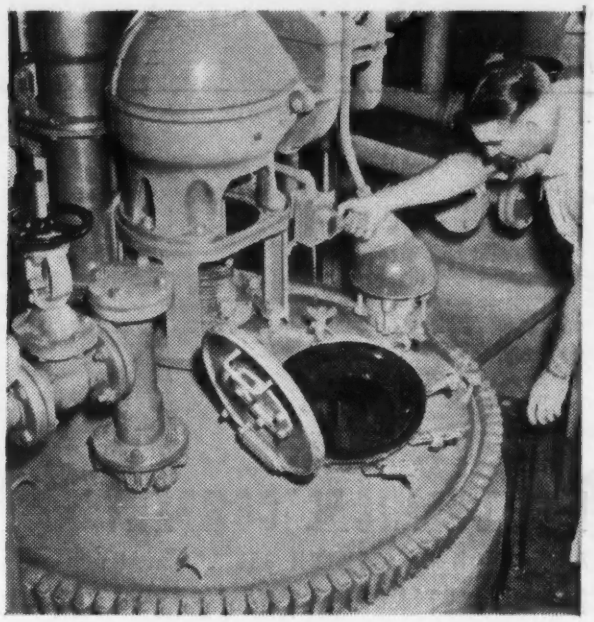
Under the voluntary "screening," OIT will handle all requests for guidance except those having to do with patents. All requests relating to patents should be directed to the Patent Commissioner.

Phosphorus Uptake by Plants

Soil scientists of the Department of Agriculture have made an important discovery with reference to plant feeding, through the use of radioactive isotopes. They have found that the value of rock phosphate as a source of phosphorus for growing plants is closely related to the soil pH or acid reaction.

Recent work of these scientists shows that, when rock phosphate was used in soils with relatively high pH, plants absorbed less phosphorus from the fertilizer than from the soil. However, when superphosphate was used, the soil pH did not influence the relative uptake of phosphorus from it. At pH 5.8 (a mildly acid soil) plant removal of phosphorus from superphosphate equaled or exceeded that from rock phosphate even when four times more rock phosphate was applied. Total uptake of phosphorus from the rock phosphate was more than 16 times that of calcium from the same sources.

The object of the study was to determine the effects of (1) soil pH and (2) rate of application on plant use of phosphorus from this source of fertilizer. The scientists used three soils from the experimental field at Joliet, Ill. These were selected to represent different soil pH levels. All three soils are low in readily available phosphorus. Crops in the study were vetch, alfalfa, and ryegrass.



• This new Pfizer synthetic chemical plant at Groton, Conn., has just gone into full-scale commercial production of essential fine organic chemicals. Among some of the widely used chemicals to be produced by new methods of synthesis are the alkaloids Caffeine and Theophylline.

Immediate increased supplies of Caffeine and Acetophenetidin are available for formulation with the antihistamine drugs now being marketed to abort "colds". Considerable medical experience has indicated that practically all antihistaminics cause drowsiness to some degree. The inclusion of Caffeine is expected to alleviate this undesirable side-effect and Acetophenetidin's effective analgesic action can be counted on to relieve distressing "cold" symptoms.

Pfizer Caffeine Alkaloid Anhydrous U.S.P. and Caffeine Citrated U.S.P. are available in 5, 25 and 100 pound drums. Pfizer Theophylline U.S.P. is available in 5 pound bottles and 25 and 100 pound drums. In addition to these synthetically produced chemicals, Pfizer, at its Maywood, N. J. plant, is continuing the production of a Caffeine from natural sources. For prices and further information please write, Chas. Pfizer & Co., Inc., 630 Flushing Avenue, Brooklyn 6, N.Y.; 425 North Michigan Avenue, Chicago 11, Ill.; 605 Third Street, San Francisco 7, Calif.

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Mercury, Mercury Salts
TENNESSEE CORP.
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Heavy Chemicals

Chemical price index declined to 216.4 last week from 217.7 in the preceding period, 217.7 a month ago and 235.4 for the corresponding week in 1948. Price declines were recorded in all grades of lead acetate, sodium stannate, tin chloride, tin sulphate and tin tetrachloride. The downward revisions were all the result of lower producing costs occasioned by the recent establishment of reduced metal quotations. While the lower prices have created more consuming interest in these metal based chemicals, there has been no heavy influx of buying orders and it appeared that consumers at this time are not impressed by the prospects of stability of either lead or tin prices.

Early December sales were described as satisfactory although demand did not appear as broad as at the start of the preceding month. The uncertainty in the soft coal fields and the approach of the inventory period along with the coming holidays have been reflected in more conservative purchases and the tonnage movement outlook for December is not considered too favorable. The only really tight supply spot is chlorine and there is no easement in sight at the moment.

Paper production based on a percentage of six-day capacity was 94.1 percent for the week ending November 26, according to the American Pulp and Paper Association. This compared with 98.5 in the preceding week, and 94.0 for the corresponding week in 1948.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.

Ammonia Anhydrous—Supply situation comfortable at the beginning of the month. Demand expected to increase after the turn of the year. September production of synthetic anhydrous amounted to 105,445 tons, compared with a revised total of 113,894 tons in August and 86,062 tons in September 1948.

Calcium Carbide — Lower production was recorded in September. The total was 40,286 tons of commercial, against a revised total of 42,009 tons in the preceding month and 55,164 in September 1948.

Carbon Bisulphide — September output was placed at 26,642,559 pounds, against 28,210,999 in the preceding month and 30,691,393 pounds in September 1948.

Carbon Dioxide—Seasonal falling off of output was noted in September. The total for liquid and gas was 20,735,000 pounds, compared with 26,913,000 pounds in August and 24,393,000 in September 1948. Production of solid (dry ice) was 74,350,000 pounds in September, against 105,353,000 in the preceding month and 76,965,000 in September 1948.

Carbon Tetrachloride — Production in September was slightly higher than the previous month. The total was 17,162,130 pounds, compared with 16,813,520 in August and 17,277,286 pounds in September last year.

Chlorine—Market supply position in the eastern area remained tight with short shipments still being made by some producers. Demand has been sustained above current output and the trade is not looking for any easement over the balance of the year.

Copper Sulphate — Industrial demand has improved following the pickup in steel production and shipments to the Pacific coast for agriculture have continued of seasonal dimensions. Agricultural interest in the eastern area appeared to be increasing without uncovering any important sales. There were no new European export inquiries.

Production of copper sulphate in Spain in 1948 was 3,492 metric tons, and in 1949 is estimated at 4,000 tons, according to a report presented by the Chemical Syndicate to the Spanish Syndical Economic Council and published in the foreign press. Current consumption of copper sulphate is estimated at 16,000 tons annually. Although the domestic industry has sufficient capacity to meet home needs and provide a surplus for export, production is much below capacity. The decline in output is attributed principally to the shortage of copper; production of the metal in Spain has been declining for a number of years. The Chemical Syndicate's report recommends that the government encourage the importation of copper rather than of copper sulfate.

Lead Acetate—Priced lower at 19c. per pound for crystals and 19¾c. for granular and powdered. All in barrels f.o.b. New York. Packed in 100-pound kegs 4c. per pound over above prices. Downward revision is the result of lower producing costs occasioned by the recent decline in the price of the metal.

Soda Ash—Shipments continued fair over the turn of the month with some indications of a moderate relaxation of demand. The supply situation has remained comfortable with prompt shipments readily available.

Application was filed with the Interstate Commerce Commission last week by D. Q. Marsh, agent for carriers parties to his tariffs ICC Nos. 3752 and 3595, for fourth section relief covering the movement of soda ash from Lake Charles, La., and Corpus Christi, Tex., to Laurens, South Carolina. The application, No. 24682, states competition with motor-rail carriers, as grounds for relief.

Soda, Caustic—Consumers continued to take fair quantities, although demand has not been of a character to tighten the supply situation. Immediate or prompt shipments were available at former price levels.

Sodium Phosphate—Production of monobasic in September amounted to 1,328 tons, compared with 964 tons in August and 1,005 tons in September, 1948. Output of dibasic in September was 11,527 tons, against 10,578 in the preceding month and 8,282 tons in September last year. Production of tribasic was placed at 6,859 tons in September, compared with 6,332 in August and 6,836 tons in September a year ago.

Sodium Silicate—Output of soluble silicate glass, liquid and solid was higher in September than in August, the totals were 37,150 tons and 28,284 respectively. Production in September last year was 38,232 tons.

Sodium Stannate—Priced lower at 48.3c. to 54c. per pound for drums works, freight allowed. Recent metal price revisions responsible for decline.

Tin Chloride, Anhydrous—Priced lower at 76¼c. to 77¼c. per pound in drums at the works. The market has been adjusted more in line with the current price

Tin Oxide—Priced lower effective today at 88c. to 89c. per pound. Tin crystals also lower at 61½c. per pound effective today.

Tin Sulphate—Another tin based chemical to reflect the lower producing costs occasioned by the recent decline in the metal. Current price 87.7c. to 89.7c. for barrels works.

Tin Tetrachloride—Prices revised downward to 51.2c. to 52.2c. for drums, f.o.b. the works. Adjustment of metal price responsible for decline.

Acids

Acetic—Production of synthetic increased in September over August. The total was 33,186,069 pounds, against 29,957,407 in the preceding month and 33,476,646 pounds in September, 1948. The amount of recovered acid was 137,824,830 pounds in September, compared with 117,720,705 in August and 157,673,086 pounds in September last year. Natural output was 1,601,517 pounds in September, against 1,680,294 in August and 1,960,757 pounds in September, 1948.

Hydrofluoric—Supply situation comfortable with stocks available for home and export. Production of anhydrous and technical in September was 4,233,000 pounds, compared with 4,369,000 in August and 6,754,000 pounds in September, 1948.

Muriatic—A moderate increase in output was recorded in September. The total was 41,030 tons, compared with 39,709 in the preceding month and 37,825 tons in September, 1948.

Nitric—September production was

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Lead acetate, 1c. per lb.
Sodium stannate, 2.40c. per lb.
Tin chloride, anhydrous, 3.05c. per lb.
metal, 2c. per lb.
sulphate, 2.84c. per lb.
tetrachloride, 2.30c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
216.4	217.7	217.7	235.4

Acids

Last week	Prev. week	Last month	Last year
121.8	121.8	121.8	123.3

(For Current Prices see Page 9)

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placed at 95,721 tons, against 93,308 in August and 95,570 tons in September last year.

Oxalic—No material change in the market situation at the beginning of the month. Stocks were plentiful with buyers concerned mostly in quantities necessary for current wants.

Phosphoric—Consuming demand steady with some producers sold through December and January. September production amounted to 111,782 tons including 64,949 tons made from phosphorus and 46,833 from phosphate rock. Total production in August was revised to 109,100 tons and in September last year 106,304 tons were produced.

Non-Ferrous Metals

Chromite—Bureau of Mines states imports of chromite into the United States during the third quarter of 1949 totaled 407,052 short tons compared with 277,385 during the previous period. Turkey was the largest supplier furnishing 36 percent of the total, most of which was metallurgical grade. The Republic of the Philippines, shipping mostly refractory grade, supplied 20 percent; the Union of South Africa, chemical, 16 percent; Southern Rhodesia, metallurgical, 9 percent; U.S.S.R., metallurgical, 8 percent; Cuba, refractory and metallurgical, 7 percent, and the combined receipts from New Caledonia, India and Yugoslavia amounted to 4 percent.

Total consumption of chromite during the third quarter amounted to 127,930 short tons of which 45,866 tons (36 percent) were consumed for metallurgical purposes mainly in the manufacture of ferrochromium; 49,553 tons (39 percent) were used in the manufacture of 59,644 tons of chromium refractories, and 9,245 tons (7 percent) were used for miscellaneous purposes mainly in the repairing of basic-furnace linings. Thus, 46 percent (58,798 tons) of the total consumption was used for refractory purposes. A total of 23,266 tons (18 percent) was used in the production of 15,581 tons of chromium chemicals compared with 25,122 tons (revised figure) consumed in the production of 18,658 tons of chemicals during the previous period.

Copper — Electrolytic steady at 18½c. per pound delivered Valley basis. Demand from wire mills active with prospects favorable for January sales holding the tonnage level created in November and December. The maintenance of demand from wire mills has given the impressions that inventories are below a comfortable working level.

Lead—Slight improvement in buying interest was noted at intervals during the past week. According to trade reports, November sales did not compare favorably with October and the outlook for December was described as uncertain. No price changes were reported.

Manganese—Imports of manganese ore into the United States in the third quarter of 1949 rose 26 percent over second quarter totals, and topped the third quarter of 1948 by 52 percent, according to the Bureau of Mines. However, figures for the nine months of 1949 indicate that the increase over the same period of 1948 was only 15 percent. Total receipts of all types of ore during the third quarter 1949 were 424,637 short tons compared with second quarter receipts of 335,865 tons, and third quarter 1948 imports of 279,650 tons. Total imports for the first nine months were 1,034,168 tons in 1949, and 897,076 in 1948.

India was the leading source in the third quarter 1949, supplying 29 percent of the total shipments, followed by the Union of South Africa and Gold Coast with 25 percent and 23 percent, respectively. Of the remainder, the U. S. S. R. supplied 7 percent, Brazil 6 percent, Mexico 3 percent, Cuba 3 percent; and 4 percent was supplied by the combied shipments of Angola, Chile, France, French Morocco, The Republic of the Philippines, Portuguese Asia, Spanish Africa and the United Kingdom. Battery-grade ore equalled 5 percent of total receipts and was supplied principally by Gold Coast and the U. S. S. R.

Molybdenum — Domestic production of molybdenum concentrates was 6,035,400 pounds (contained molybdenum) in the third quarter of 1949, an increase of 4 percent over the preceding quarter, accord to the Bureau of Mines. Shipments of concentrates in the third quarter comprised 3,979,500 pounds to domestic consumers and 1,146,100 pounds for export. Molybdenum concentrates were produced in six States in the third quarter: Colorado led, followed in order by Utah, New Mexico, Arizona, Arizona, California, and Nevada. Stocks of molybdenum concentrates held by industry were 17,913,000 pounds (contained molybdenum) on Sept. 30, 1949, compared with 17,963,300 pounds on June 30, 1949.

Production and shipments of molybdenum products were 4,146,000 and 3,589,100 pounds (contained molybdenum) in the third quarter of 1949, a decrease of 24 percent in production from the preceding quarter but an increase of 8 percent in shipments. Shipments of molbdenum products in the third quarter comprised 3,336,000 pounds to domestic consumers and 253,100 pounds for export. Stocks of molybdenum products held by producers

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were 11,363,200 pounds (contained molybdenum) on Sept. 30, 1949, compared with 10,806,300 pounds on June 30.

Quicksilver — No appreciable improvement could be noted in the consuming demand last week. Sellers did not change prices but admitted that recent importations had improved the supply situation. Round lots were priced at $71 to $72 per flask and small quantities at $73 to $75.

San Francisco—The market here is reported unchanged with no further weakening in the past two weeks. Metal quoted at $73 per flask.

Silver — Continued to follow a steady course last week. Silver bullion closed at 73¼c. an ounce in the New York market.

Silver Bullion Price Range

	Per ounce— New York	London
High	Sept. 7, 1949—73¼c.	Sept. 20, 1949—64d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Tin—Priced lower at 83c. per pound for both RFC and Straits tin. London market closed Friday at 78¼c. per pound New York basis.

Tungsten — Production, shipments, imports, and consumption of tungsten concentrates in the United States declined phenomenally in the third quarter 1949, according to the Bureau of Mines. Production, imports for consumption, and consumption, which decreased 36, 85, and 82 percent, respectively, from the second quarter, dropped for the third consecutive quarter. Shipments from mines declined 62 percent. However, stocks held by consumers and producers increased 14 percent. Production over the third quarter was 585 tons. Total stocks at the end of the quarter were 5,555 tons.

Zinc—Market situation relatively quiet. Consumers are believed to have low inventories but at present are not showing much concern over future requirements. Prices for prime western were unchanged at the close of the week.

Average daily rate of zinc production from domestic mines dropped 2 percent in September, according to the Bureau of Mines. September zinc output, in terms of recoverable metal, was 42,193 short tons, an average of 1,406 tons per day compared with 44,483 tons in August produced at an average of 1,435 tons a day.

Monsanto Advances Two

Monsanto Chemical Comany, St. Louis, has announced the promotion of Dr. Oliver DeGarmo and Dr. Ferdinand C. Meyer, research chemists with the concern, to the position of group leaders in the organic chemicals division research department.

Dr. DeGarmo, who has been with the company for eight years, received his Ph.D. in organic chemistry from the University of Nebraska in 1941. Dr. Meyer, who received his doctorate in organic chemistry from the University of Wisconsin in 1943, joined Monsanto in 1943 after having worked for the company during the previous Summer.

Celanese Corp. Gets Award

—Continued from page 5

Hill Publishing Company; Mark E. Putnam, executive vice-president, Dow Chemical Company; Hugh J. Kelly, senior vice-president, McGraw-Hill Book Company; Felix Williams, vice-president, Monsanto Chemical Company; Eugene S. Duffield, senior vice-president, McGraw-Hill Publishing Company; J. Warren Kinsman, vice-president, E. I. du Pont de Nemours & Co.; George H. Richards, vice-president and treasurer, Celanese Corporation of America; George W. Merck, president, Merck & Co.; J. G. Davidson, president, Carbide & Carbon Chemicals Corporation; George Schneider, vice-president, Celanese Corporation of America; James H. McGraw jr., president, McGraw-Hill Publishing Company.

Sidney D. Kirkpatrick, editor, *Chemical Engineering*, and toastmaster; Alfred H. White, chairman of award committee, University of Michigan; James R. Killian jr., president, Massachusetts Institute of Technology; John D. Fennebresque, general manager, chemical division, Celanese Corporation of America; Monroe E. Spaght, president, Shell Development Company; Leslie R. Groves, vice-president, Remington Rand Company; Eger V. Murphree, president, Standard Oil Development Company; Francis J. Curtis, president, American Institute of Chemical Engineers; W. Albert Noyes jr., past president, American Chemical Society; John R. Callaham, executive editor, *Chemical Engineering*, New York; Lawrence Flett, president, American Institute of Chemists, and Wallace F. Traendly, publisher, *Chemical Engineering*.

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Aceto Chemical Co. Export License Privileges Suspended

Export license privileges of the Aceto Chemical Company, New York, have been suspended for six months for violation of export control regulations, the Office of International Trade announced November 28.

OIT said the company obtained an export license for 25,000 pounds of dibutyl phthalate by stating that the ultimate destination was Belgium. It was later learned, the agency added, that partial shipment to Belgium was made, followed by unauthorized transshipment to Czechoslovakia and that the partial shipment was made under false customs declarations, also listing Belgium as the ultimate destination.

At the time of the export license application, the New York firm had reasonable knowledge of facts indicating that transshipment would take place, OIT stated. Aceto did not contest the order.

In a statement issued the same day, the company declared it believed the Belgium importer to be a legitimate customer ordering for his own use and that the transshipment to Czechoslovakia was made without its consent. Aceto consented to the order, it was added, because its primary business is domestic chemical distribution.

Consul at Johannesburg Available in New York

Stanley B. Wolff, United States vice consul stationed at Johannesburg, South Africa, will be available at the New York regional office of the Department of Commerce for conferences on trade problems with South Africa, Monday through Friday of this week. Mr. Wolff has been assigned to Johannesburg since April, 1948. Businessmen who wish appointments for interviews with him should communicate with the regional Department of Commerce office, 42 Broadway, DIgby 4,800, Ext. 34.

Amer. Cyanamid Expands Staff

American Cyanamid Company has announced the addition of seven new members to the staff of the concern's Stamford, Conn., research laboratories. Appointed to the research division were Dr. Leslie Boatright, Purdue University; Dr. Donald J. Berets and Dr. George W. Kennerly, both of Harvard University; Dr. Paul F. Hopper, University of Notre Dame, and Robert P. Price, University of New Hampshire. Walter H. Jura, University of Illinois, was added to the analytical and testing division, and Harold McDonough, University of Connecticut, joined the chemotherapy division.

Motor Freight Classification Taken Over by New Group

The National Motor Freight Classification Committee of the American Trucking Associations was formally dissolved and an independent and autonomous trucking industry national traffic committee, which will function pursuant to an agreement and rules to be filed under the Bulwinkle law, was created in its place at the initial meeting of the national traffic committee group in Washington.

Henceforth, all policy decisions and direction of all handling of matters turned over to the new industry national traffic committee, by action of the participants in the National Motor Freight Classification, will be entirely by the committee which will be elected annually by the classification participants.

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Petroleum Derivatives

Gasoline was cut two-fifth cent per gallon along the East Coast last week. At the same time, tankcar postings on No. 6 oil at a number of Atlantic points were lowered one cent to 5 cents per barrel. Prices were otherwise firm in the market for petroleum derivatives.

Demand for petroleum aromatics continued unabated, despite indications that coaltar production was regaining its pre-steel-strike pace. The trade, however, looked for a cutback in buying activity toward the middle of next month. Prices were maintained all around.

Sales were also high-volume for higher boilers and blends during the period. Sellers of these materials similarly expected a falling off in business toward mid-December. Listings were firm.

Interest in aliphatics was good for the most part during the past seven days. Stocks were plentiful all along the line. There were no price changes, and none were anticipated within the immediate future.

Butane and propane remained in very narrow supply. Storage space for these LPG's was also short of requirements. Heptane, hexane and pentane, in fair demand, were readily available. Quotations were steady.

Solvents and Diluents

Aromatic Solvents—Call for petroleum toluol and xylol remained excellent during the period, despite further evidence that production of coaltar aromatics was rapidly regaining its pre-steel-strike pace. Steel operations were up again, rising to 87.7 percent of capacity last week, as compared with a scheduled rate of 78.2 percent of the previous seven days. Sellers of petroleum-derived aromatics, while reporting that November production had been completely bought up, looked for a slackening in business toward the middle of next month. Quotations were maintained in all areas.

Higher boilers and blends also moved in excellent volume during the week. Stocks were ample all around, despite the high-level of business. Expectations in the trade were that demand would fall off somewhat toward mid-December. The price structure was unchanged, and no moves were participated within the immediate future.

Cleaners' Naphtha — Stocks continued readily available to all comers during the past week. Demand was described as moderately good. Prices were unchanged all around. In Philadelphia, tankcars commanded 13c. per gallon. At other East Coast points, the prevailing tankcar listing was 1c. higher, or 14c. per gallon. Group 3 sellers named 10⅞c. per gallon for tanks.

Lacquer Diluent — Consuming inquiry was good in the main during the period under review. Availability remained excellent in all areas, with offerings plentiful to all buyers. The price structure was without variance. East Coast listings were uniform at 16c. per gallon, tankcars. Group 3 quotations ranged from 11⅛c. to 12⅛c. per gallon, tanks.

Mineral Spirits—This section was without appreciable change during the past seven days. Sales, though not heavy, were reported to be in good volume. Supplies continued plentiful everywhere in the market. Prices held their ground. In Philadelphia, marketers asked 13c. per gallon for tankcars. Elsewhere in the East, the prevailing quotation was 1c. per gallon more, or 14c., tanks. In the group 3 area, listings ranged from 9⅞c. to 10⅜c. per gallon, tankcars.

Rubber Solvents—Buying activity was reported normal for this time of year. Supplies were plentiful in all areas. Prices continued unchanged. Group 3 makers quoted 10⅜c. to 11⅜c. per gallon for tankcars. Along the East Coast, sellers were uniform in naming 15c. per gallon, tanks.

Stoddard Solvent—Business was reported moderate to good in last week's market. Offerings were readily available to all buyers. The price structure remained on a par with previous levels. Philadelphia sellers, still in the throes of a competitive situation, posted 13c. per gallon for tankcars. Otherwise, the East Coast listing was 1c. higher, or 14c. per gallon, tanks. In group 3, prices remained at a range of 10⅜c. to 10⅞c. per gallon, tankcars.

V. M. & P. Naphtha—This aliphatic solvent continued to move in good, but not heavy, volume during the past seven-day period. Prices were steady all around. Group 3 marketers posted 10⅞c. to 11⅜c. per gallon for tankcars. East Coast producers were at 15c. per gallon, tanks. The supply position remained on a par with previous levels, offerings continuing readily available to all buyers.

Lighter Fractions

Butane—In extremely short supply, this liquefied petroleum gas remained firm last week, holding at 4c. per gallon, tanks group 3 basis.

Heptane—Demand for this lighter fraction was only fair during the period under review. Offerings were plentiful in all areas. Prices held their ground.

Hexane—There was no change in the market position of this material during the past week. Stocks were more than ample to cover the demand, which was moderate. The price structure held firm.

Pentane—Prices were without change during the week, and no moves were anticipated within the immediate future. Supplies were good. Demand was fair.

Propane—Stocks of this LPG remained very narrow during the seven-day period. Storage space was similarly short of requirements. Prices were steady at 2½c. per gallon, tankcars, group 3 basis.

Miscellaneous

Crude Oil—The American Petroleum Institute reported daily average crude-oil production (including lease condensate) for the week ended November 19 at 5,211,000 barrels, or 26,000 barrels above the comparable total of the preceding week. Daily average crude runs to stills of 5,292,000 barrels were 165,000 barrels above the level of the preceding week.

Fuel Oil—Tankcar postings on No. 6 oil were lowered 1c. to 5c. per barrel at a number of East Coast points last week. The price at Boston was downed 3c., bringing it to $2.10 per barrel. A similar cut was also effected in Providence, establishing a new posting of $2.075. In New York, reductions ranged from 3c. to 5c. per barrel, creating a market price of $2.05 to $2.10. At Jacksonville, the decline was 1c., making the posting $2.02 to $2.03 per barrel.

Gasoline—Reductions of ⅖c. per gallon were effected at most points along the Eastern Seaboard last week. As a result of the action, the Bayonne tankcar price of 83 octane gasoline moved down to 11.2c. per gallon.

Los Angeles Petroleum Market

The market for solvents and diluents remains unchanged from last week. There is evidence of possible future reductions in some aromatic solvents, but nothing of this nature is confirmed at the moment. Cleaning solvent quoted 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area; lacquer diluent listed at 16½c. to 20½c. per gallon, same basis, and stoddard solvent named at 15.7c. to 19.5c. per gallon, same basis.

A slight gain in market activity in lighter fractions was noted this week, although movements remain below the trade's expectations. Continued cool weather should stimulate the market considerably. Propane posted at 5.8c. per gallon, and butane at 6.8c. per gallon, tankcars, f.o.b. Los Angeles basin area.

The paraffin wax market is unchanged, with movements good and supplies adequate. Prices have held steady since July of this year as follows:—140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco, 6.95c. per pound; 146-148 ASTM, same basis, 7.15c. per pound, and 157-162 ASTM, same basis, 7.6c. per pound. Tankcar prices quoted at 6.6c., 6.8c. and 7.25c. per pound, respectively.

Market Trends

Prices Advanced

None

Prices Reduced

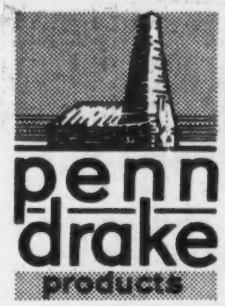
Fuel oil, No. 6, Boston, 3c. per bbl.
Jacksonville, 1c. per bbl.
New York, 3c. to 5c. per bbl.
Providence, 3c. per bbl.
Gasoline, East Coast, ⅖c. per gal.

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended November 19 totaled 256,374,000 barrels, according to the Bureau of Mines. Compared with the total of 254,311,000 barrels for the preceding week, this represents an increase of 2,063,000 barrels, comprising an increase of 1,616,000 barrels in stocks of domestic crude and an increase of 447,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4



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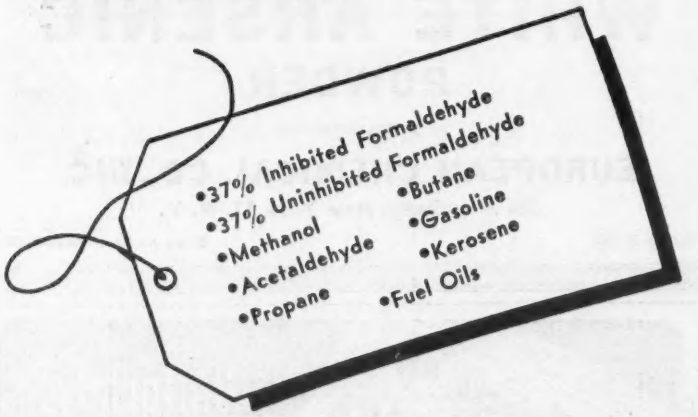

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Agricultural Chemicals

No break in the strike-bound potash plants at Carlsbad was announced last week. Production and shipments from this area have been suspended and mixers are beginning to feel the shortage. It was stated that a prolonged shutdown of potash production would seriously curtail the manufacture of commercial fertilizer. There was no indication of a shortage at present of ammonium sulphate, normal superphosphate, sodium nitrate or any other basic fertilizer chemical. Some improvement in the movement of superphosphate to mixers was reported, but without potash the improvement may be short-lived. The bid for a sizable quantity of prosphate rock for shipment to Japan has been awarded to a southern producer.

Dried blood sold lower early in the week but recovered at the close. The feed demand for dried blood, fish meal and tankage has relaxed appreciably during the past month and the markets have followed a downward course. Castor pomace continued in active demand with not enough stocks to satisfy the inquiry. The supply situation in bone meal remained easy under increased importations.

October tonnages, as represented by sales of fertilizer tax tags in certain states and by manufacturers' reports of fertilizer shipments in others, were approximately 5 percent below those of the same month last year. Figures received by NFA from 13 states which have either tag sale or shipment reporting programs, add up to a total of 512,000 short tons, or 29,000 tons fewer than in October, 1948. Mainly responsible for this decline was the drop of 21,000 tons reported by the midwestern states; the South came within 8,000 tons of equaling last year's October figure as substantial increases took place in Virginia, Georgia, Florida, Alabama and Texas.

Cumulative calendar year totals continue to surpass those of a year earlier. The January-October total for the 13 reporting states of 8,585,000 tons represents a gain of 715,000 tons over the corresponding 1948 figure. In the South the increase amounts to 780,000 tons or 12 percent, while the Midwest shows a drop of 65,000 tons. All ten of the Southern states and one of the three Midwestern states show higher tonnages thus far this year than in the same period of 1948.

Nitrogenates

Ammonium Nitrate—Production of original solution in September amounted to 85,906 tons, including 73,309 tons of fertilizer grade and 12,597 of other grades. Output in August totaled 82,253 tons and in September last year 79,942 tons.

Ammonium Sulphate—September output of converters' technical was placed at 133,763,000 pounds, compared with a revised total of 92,656,000 pounds in the preceding month and 28,516,000 in September, 1948. It was stated that export inquiry for converters' sulphate has remained active but the difficulty in securing licenses has restricted sales. Coke-oven sulphate has been largely sold against contract accounts.

Bone Meal—Supply situation has continued comfortable over the turn of the month. Feed demand has subsided appreciably and the availability of stocks has eased through freer arrivals of foreign material.

Castor Pomace—Continued absence of additional offerings has prevented trading, although inquiry for fertilizer use remained active. Last sales were at $24 per ton in bags, carlots works.

Dried Blood—Sales were reported at $7.75 per unit of ammonia but the market recovered to $8 late in the week. Demand was spotty with no unusual inquiry from the feed trade.

Fish Meal—Market situation relatively quiet and about steady at the late decline. Offerings of menhaden meal in the Baltimore area not large with production over for the season in most eastern coastal sections.

Quantity of fish meal manufactured during September, by firms that normally produce 92 percent of the total annual production, amounted to 27,605 tons—600 tons less than was produced during September, 1948, according to Fish and Wildlife Service. The increase in the production of groundfish meal, without a corresponding increase in the yield of groundfish oil, was caused by the greater use of whole trash fish for meal which yield little oil. During the first nine months of 1949, the amount of fish meal processed in these plants was 141,409 tons, compared with 143,920 tons for the corresponding period in 1948. The amount of menhaden meal produced in September this year was 14,619 tons and nine months' production was 86,631 tons, compared with a total of 89,830 tons for the corresponding period in 1948.

Hoof Meal—Sales limited at $7.50 per unit of ammonia, Chicago basis. Demand and offerings both light.

Sodium Nitrate—Stocks have met current requirements without difficulty and small lot sales have predominated with the total holding to usual seasonal volume.

Tankage—Market about steady at late decline. Feeders showed limited interest and paid $8 per unit of ammonia here and in Chicago.

Phosphates

Phosphate Rock—Shipments to acidulators have shown some irregularity but are said to show improvement over a month ago. Stocks have continued to meet demand without difficulty. A southern producer has been awarded the government bid for approximately 250,000 tons for shipment to Japan.

Superphosphate—No shortage of supplies of normal at present although storage facilities are said to have shown some improvement through withdrawals by the smaller mixers who have continued to place their former idle plants in operation.

Potashes

Production in the Carlsbad area of New Mexico has remained suspended as a result of a strike at the mines. Three plants are located in this section and no shipments have been made over the past two weeks. The present outlook is uncertain.

It is stated that France was awarded the bid for 44,000 tons of potash and Germany 4,000 tons for Japan under trade agreement. The price paid was approximately $92 per metric ton.

Denmark's imports from the U. S. S. R. in the first half of 1949 included 55,240 metric tons of potassium-chloride fertilizer, valued at 12,163,000 crowns, and 1,945 tons of potassium-sulphate fertilizer (692,000 crowns), according to official Danish trade statistics. (1 Danish crown equaled $0.2085, United States currency.)

Los Angeles Fertilizer Market

Los Angeles.—The market has been dull all week due mainly to above normal temperatures along the Coast. Sales of fertilizers for the 1949 season here have been noticeable lower than last year. Ammonia phosphate has been more active than other inorganics. Organics have been moving very slowly with only one price change reported and that for 67 percent sardine meal in the San Francisco area.

Ruling prices were:—Ammonia nitrate, $74.38 per ton for Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16/20 grade, f.o.b. Los Angeles; $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Ammonia sulphate, $55 per ton in bags f.o.b. Los Angeles. Canadian material same bagged. $2.50 discount in bulk. Blood meal, $7.25 per unit of ammonia at source. Bone meal, $71 per ton for steamed 1/30, f.o.b. Los Angeles. Fish

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	81.6

(For Current Prices see Page 9)

Fertilizer Tag Sales: October

	Equivalent tons October 1949	October 1948	Jan.-Oct. 1949
Virginia	45,148	39,602	642,073
North Carolina	66,049	122,135	1,396,166
South Carolina	40,190	65,010	860,714
Georgia	67,042	60,096	1,143,215
Florida	96,482	60,206	745,564
Alabama	40,913	27,880	970,396
Tennessee	25,122	26,656	420,807
Arkansas	10,544	13,883	301,895
Louisiana	13,311	18,163	219,707
Texas	54,771	36,161	424,538
Total South	461,572	469,792	7,125,045
Indiana	17,985	21,100	509,539
Kentucky	15,830	17,307	416,998
Missouri	16,947	33,734	433,717
Total Midwest	50,762	72,141	1,460,274
Grand total	512,334	541,933	8,585,319

For Late Market Developments, See Page 4

meal—$144 per ton for 60 percent tuna, f.o.b. Los Angeles. $156 to $162.50 per ton for 67 percent sardine, f.o.b. San Francisco. $152.75 to $159.25 per ton for 65 percent sardine, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk. Potash muriate, 45½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $71.50 per ton, 42 percent a.p.a., f.o.b. Los Angeles. Tankage, dry rendered, ground 50 percent protein, $5.50 to $6 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

The high temperature and drought in many eastern areas this past Summer have played an important part in the natural control of the Japanese beetle, the Department of Agriculture has announced. The Summer of 1949 was the warmest in the eastern United States in many years. Summer rainfall also was deficient in most of the area infested by the beetle, which extends roughly from Maine to North Carolina and west to Ohio. Extremely hot, dry weather during the Summer kills many of the eggs and newly hatched grubs, according to the Bureau of Entomology and Plant Quarantine. As a result, such areas are usually troubled with fewer beetles the following year.

Benzene Hexachloride—Production in September amounted to 2,734,170 pounds, compared with 2,988,502 pounds in the preceding month and 1,281,329 pounds in September, 1948. The gamma isomer content of BHC in September was 370,136 pounds, against 400,497 in August and 184,359 pounds in September last year.

DDT—September output registered 3,245,845 pounds, compared with 3,922,676 in August and 834,418 pounds in September, 1948.

Pyrethrum—The possibilities of growing pyrethrum in Ecuador are reported to be under study. The crop is not cultivated at present, but pyrethrum of good quality can be produced in the country, according to the Ecuadoran Department of Agriculture.

Sulphur

Consuming demand well sustained with mine shipments moving steadily into consuming channels. It was stated that current shipments are not showing much variation in tonnage from those of a year ago. Domestic consumers have not found stocks a problem so far this season.

Bids Wanted

Acetone, 6,600 gallons, Navy Purchasing Office (New York 3) invitation 5865, December 23; 23,664 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 231, December 13.

Adhesive, cement, 4,200 gallons, fire-resistant coating, 2,700 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,037, December 16; rubber cement, 2,000 four-ounce cans, invitation 9563, December 16; water resistant, 600 gallons, invitation 50,026, December 16.

Ammonia solution, 5,256 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 235, December 14.

Antibiotics, penicillin crystalline, 80,000 bottles of 200,000 units each; streptomycin, 74,400 one-gram bottles; Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 225, December 12.

Biologicals, various, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 233, December 15.

Boric Acid, 5,000 pounds, Navy Purchasing Office (New York 3) invitation 5841, December 16.

Calcium gluconate, 960 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 231, December 13.

Carbon Tetrachloride, 2,436 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 235, December 14.

Chemicals, including ammonium sulphate, ACS 216 pounds; benzene 1,920 pounds; benzoin compound, 2,352 one-pint bottles; carbon tetrachloride, 5,400 one-pint bottles; hydrochloric acid, 1,968 pounds; lactose, 7,920 pounds; Veterans Administration (Washington 25) invitation A-39, December 13; including sodium hydroxide pellets, sodium nitrite crystals, sodium sulphate anhydrous, invitation A-40, December 15;

Cube powder, 7,800 pounds, Department of Agriculture (Washington 25) invitation 360-50, December 8.

Detergent, dishwashing, 332,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 311, December 16.

Drugs, including progesterone, menadione sodium bisulphite, oxophenarsone hydrochloride, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 224, December 12; various, invitation 242, December 16.

Edible fats & oils, margarine, 1,632 pounds, Federal Correctional Institution (Ashland, Ky.) invitation 28-1459, December 13; shortening, 1,500 pounds, margarine, 2,760 pounds, vegetable oil, 100 gallons, U. S. Penitentiary (Lewisburg, Pa.) invitation 14-2865, December 14; margarine, 240 pounds, shortening, 900 pounds, vegetable oil, 120 gallons, Federal Detention Headquarters (427 West St., N. Y. 14) invitation 7-1159, December 14.

Ethyl alcohol, 1,000 gallons, Navy Purchasing Office (New York 3) invitation 5443, December 16.

Gasoline, region 2, class 7, from March 1 through August 31, 1950, Bureau of Federal Supply (Washington 25) invitation 9G-10147-R, December 15.

Ink, litho offset, through December 31, 1950, Coast & Geodetic Survey (Washington 25) invitation 837, December 12.

Isopropyl alcohol, 7,185 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 9644, December 12.

Laundry Chemicals, sour, 750 pounds, sodium metasilicate detergent, 3,000 pounds, Bureau of Prisons (427 West Street, N. Y. 14) invitation 7PI-143, December 12.

Nitric acid, 30,000 pounds, Navy Purchasing Office (New York 3) invitation 5863, December 21.

Oil emulsion, T-13, 210,000 pounds, from January 1 through June 30, Veterans Administration (Washington 25) invitation 123-S, December 28.

Paint, enamel, 3,500 gallons, Bureau of Federal Supply (Washington 25) invitation 5H-82772-R, December 8; **various,** Army Signal Corps (Philadelphia 45) invitation 857, December 15; 500 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,024, December 15; 550 gallons, invitation 50,020, December 8; 4,200 gallons, invitation 50,033, December 19; 12,500 gallons, Bureau of Federal Supply (Washington 25) invitation 5H-82757-R, December 8.

Petroleum, 7,320 pounds, Veterans Administration (Washington 25) invitation A-40, December 15.

Phosphoric acid, 75%, 60,000 pounds, Navy Purchasing Office (New York 3) invitation 5862, December 27.

Polishing compound, 10,500 pounds, Navy Purchasing Office (New York 3) invitation 5854, December 20.

Red toner, 1,200 pounds, Bureau of Engraving & Printing (Washington 25) invitation BEP-254, December 13.

Reflectorizing compound, July 1 through December 31, 1950, Bureau of Federal Supply (Denver, Colo.) invitation 1965, December 9.

Scouring powder, 81 barrels, Post Office Department (Washington 25) invitation 2023, December 9.

Soap, grit, 500,000 ten-ounce cakes, Quartermaster Procurement Agency (New York 3) invitation 311, December 16.

Sodium arsenite, 54% solution, 2,580 gallons, Navy Purchasing Office (New York 3) invitation 5881, December 29.

Sulphuric acid, 72,000 pounds, Navy Purchasing Office (New York 3) invitation 5838, December 23; electrolyte, 180,000 pounds, invitation 5837, December 23.

Superphosphate, through June, 1950, Department of Agriculture (Washington 25) invitation 48-50, December 8.

Wax, water-emulsion, 4,015 gallons, Army Engineers Corps (Governor's Island, N. Y. 4) invitation Eng-4, December 9.

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Odor	Mild ester
Acidity (as Phthalic Acid)	0.01% by weight max.
Specific Gravity 20/20°C	1.047-1.049
Assay (ester content)	Minimum 99% by weight
Weight per gallon	Approximately 8.75 lb.

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Coaltar Chemicals

The big news in the coaltar chemicals market last week was the return-to-work order handed down to the nation's coal miners by their union leader. This meant that the steel mills would be certain of a steady supply of fuel and would be able to continue their return to normal operations after the recent strikes in steel and coal. The miners were to go back on a three day a week basis, which was the same schedule they worked under last Summer.

The supply condition of most materials in the coaltar chemicals market was improving last week as the steel industry continued to shake off the effects of the recent strikes. Stocks were still not entirely free but the easing made them considerably better than they had been several weeks back.

Prices were unchanged and there were no indications that any immediate revisions were in prospect although it was not thought impossible that there might be some after the first of the year.

Maleic anhydride was available in briquettes, according to a recent announcement and was reported to be in ample supply. Pentachlorophenol and sodium pentachlorophenate became available in truckload shipments during the week.

The American Iron and Steel Institute reported that steel production for the week was scheduled at 87.7 percent of capacity. This was equivalent to 1,616,800 tons of steel ingots and castings, as compared to 1,441,600 tons for the previous week, 1,804,300 tons for the comparable week a year ago and 1,281,210 tons for the average week of 1940, the highest pre-war year.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
110.1	110.1	110.1	156.9

(*For Current Prices see Page 9*)

Basic Products

Benzol—Production of this material was coming along at as good a rate as could be expected last week, but the output was still not sufficient to meet the demand of the market. Coking operations were estimated at 75 percent to 80 percent of capacity, but that was still not enough to fill all the needs of the consumers. Because of the heavy demand and the recent setbacks that the industry had suffered from strikes, suppliers were still having a difficult time in trying to satisfy their contract customers, and there was even a more difficult situation as far as non-contract buyers were concerned. Just how long before supply would be back to normal was a difficult thing to say. Some sources felt that in another month the industry would probably be back where it should be, but, on the other hand, there were some who felt that it might be four or five months yet before all the demands of the customers could be satisfied with ease. One source last week said that it still considered the demand for the material twice what the supply was. There were no changes reported in the price range and there were no indications that there might be any immediately, although it was not thought impossible that there might be revisions after the first of the year.

Coaltar—Output of this material was still not back to normal during the past week, and the rate of recovery that the industry had made depended on the section of the country that producers were located in. It was reported that the South was not making so rapid a recovery as the North. In general, the recovery was spotty. Demand was still holding at high levels and in general producers were able to take care of their contract customers, but it was a difficult thing for them to accommodate other buyers. The demand that was being felt now was thought to be the demand for consumption as compared to the inventory demand that was noticed several weeks back. At that time customers were panicky about the strike situation. They feared they would not get enough material to take care of their needs, possibly for a long time, so they attempted to obtain as much of the item as possible and lay it away for future use. There were no changes reported in the price structure and there were no indications that there would be any in the immediate future.

Creosote—Supplies of this material were more plentiful last week as a result of increased output of the steel industry. To be sure, steel was still not back at full capacity, but output was climbing steadily, and this was adding to the stocks of domestic creosote. The imported material was still arriving in this country in good amounts, and was thus adding to the total supply. Imports were coming in from England steadily, and there was also some material available from Germany. Japan, it was reported, was returning to production, but it was still not known how much of that country's material there might be available for export. Demand was running at fairly good levels, but was not sufficient to take all of the material off the market. There were varying opinions on what the demand might be in the future. Some sources felt that consumers might require more of the item in the months to come, while there were others who felt that there would probably be no increase in the requests for the material in the immediate future. It was pointed out by some sources that the railroads and utilities had been showing more interest lately. It was also said that road building and general construction might be the sources of an additional demand. As far as price was concerned, there were no changes reported during the year, and there were no indications that there might be any revisions in the immediate future.

Cresol—Demand for this item was still at good levels during the past week and there were no indications that there might be any immediate dropping off. The supply, although not entirely easy, was improving steadily. Pricewise, there were no changes reported and there were no indications that there might be any revisions in the immediate days ahead.

Figures on the production of the cresols indicated that the output of the meta-para during the month of September was 384,447 pounds, as compared to 462,047 pounds during the previous month. There were no figures available on the output of the orthometapara.

Cresylic Acid—The supply of this item was still in a tight position during the period under review although it was better than it was several weeks back and the indications were that it would continue to improve unless there were additional labor difficulties. The steel mills were getting back to pre-strike operations, but they had still not recovered completely because of the normal technical difficulties of getting started again after a shutdown. Demand was still running at good levels and the supply was being helped by the importation of the material from abroad. During the past week it was reported that there were 586 drums from Liverpool, fifty from London, 100 from Rotterdam, ninety-four from Glasgow and 200 from Manchester.

Naphthalene—The supply position of this material was improving during the past week as a result of the recovery of the steel industry. Although that industry was still not back to the position it held before the strikes began, it was making headway rapidly considering the technical difficulties that were to be expected after a shutdown. Pipelines were beginning to fill up again and it was possible to obtain the material for various uses. During the tight time, most of the production was being diverted directly to phthalic anhydride, for which there was a heavy demand. In the last week or so, the added production made it possible for customers who wanted it for other than phthalic uses to get more of it. The output was still not back to the point at

Coke By-Products

Estimates of by-product cokeoven operations in the week ended November 19 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	568,814
Ammonia sulphate	lbs.	14,729,299
Benzol	gals.	1,856,131
Coaltar	gals.	6,885,648
Creosote oil	gals.	383,201
Naphthalene, crude	lbs.	909,103
Phenol	lbs.	107,775
Toluol	gals.	371,226
Xylol	gals.	83,825
Xylol	gals.	32,598

For Late Market Developments, See Page 4

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which both producers and consumers wanted to see it but the recovery that the item had made was encouraging. In recent weeks there had been large imports of the item. This was competing with the domestic material. Last week 1,500 bags arrived in New York from Antwerp and a short time before there were 3,032 bags that landed in Philadelphia from Antwerp and 4,770 that arrived from Rotterdam. As far as price was concerned, there were no changes reported during the period under review and there were no indications that there might be any in the immediate future.

Production by tar distillers of crude naphthalene, solidifying at less than 79° C., amounted to 14,201,257 pounds during the month of September, while the output for August was 10,682,742 pounds. Output of the refined, solidifying at 79° C. and over, was reported to be 5,444,376 pounds during September, while during the previous month the total was 4,276,096 pounds. No figures were available for September for the crude, solidifying at less than 79°C. made by coke-oven operators, but the output for August was reported to be 5,220,346 pounds.

Phenol—The output of this material was reported to be increasing during the past week, although some sources reported that they were still on the short side and were only able to take care of regular customers. In other quarters it was said that the supply now was approximately normal. Benzol output was the determining factor in the supply of the item, and recently the production of that material had been on the upswing, although it was still not so high as producers had hoped to see it and they were waiting for a little more time to elapse so that they might recover further from the recent labor difficulties. There were no changes reported in the price structure of the material during the past week and there were no indications that there might be any in the immediate future.

Pyridin—Supplies of this material were still none too free during the past week. There was a considerable improvement over the past few weeks as a result of the recovery that had been noted in the steel industry, but the return of that industry was still not sufficient to make this item entirely free as to supply. The demand for it was continuing to hold at good levels and there were no indications that there would be any immediate dropping off in requests. Prices were still holding at their previously established levels and there were no signs that they would undergo any revisions in the very near future.

Toluol—Despite the fact that the industry was making a good recovery from the effects of the recent strikes, the output of this material was still not back to normal during the past week and there were varying opinions as to when it might be. Some felt it might be another month and others felt it might be as long as four or five months before the output got back to normal. Demand continued to be felt at high levels and one source said it estimated that the requests for the material were double the output. There were no changes noted in the price structure and none were indicated for the immediate future, although it was not thought impossible there there might be revisions after the first of the year.

Figures were not available on the output of toluol by coke-oven operators during the month of September, although it was recorded that the production during the month of August was 2,388,810 gallons. Production from all other sources was reported to be 3,262,089 gallons during September, while during the previous month it was 3,025,192 gallons.

Xylol—Supplies last week continued tight and no one could be sure when they might show sufficient improvement to make the product more readily available again. Demand was running high and looked as though it would continue that way. As far as the price structure was concerned, there were no changes and no indications that there might be any in the immediate future.

Figures available on the production of xylol for September indicate an output of 3,929,240 gallons, as compared to 4,495,014 gallons during the month of August.

Intermediates

Maleic Anhydride—Prices were still holding at previous levels on this material. Recently the item had been offered in commercial quantities in briquettes and it was reported that the demand for it in that form was good and the supply ample.

Pentachlorophenol—This material became available last week in truckloads as well as carloads and less carloads. Demand was reported to be running to moderately good levels while the supply was said to be ample.

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noted in the supply of this material during the past week but on the whole the supply was still tight. Demand was continuing heavy and was expected to continue that way. There were no price changes and no indications that any were immediately forthcoming.

Sodium Pentachlorophenate—Last week it was announced that this item was now available in truckloads of about 20,000 pounds minimum. It was also available, as usual, in carload and less carload lots in powder form, briquettes and pellets. Stocks were ample and demand about moderate.

Hilton-Davis Making Certified Food Colors

Hilton-Davis Chemical Company, Cincinnati, a division of Sterling Drug, Inc., has gone into production on a complete line of certified food colors. Marketed under the trade name of "Parakeet," seventeen primary food colors and an unlimited number of blends, all certified by the Food and Drug Administration, will be distributed on a nation-wide basis by Sterwin Chemicals, Inc., another Sterling subsidiary.

Although immediately available to consuming industries, the line of food colors will not go into full-scale production until early 1950, at which time reconstruction work on the Hilton-Davis factory site will be completed.

Calco Has New Blue Dye

The Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J., has commenced marketing a new stabilized acoic dye, "Calconyl Blue G Powder" and its solution form, "Calconyl Blue G Single Solution." The new blues are said to be satisfactory for use in patterns along with other acid aging types of dyes, and are reported to be very stable under normal storage conditions.

Butylmetacresol Disinfectants Described in Koppers Bulletin

The properties of mono-tertiary-butylmetacresol as a germicidal agent are briefly described in bulletin C-9-130-1 of the Chemical Division of the Koppers Company, which deals more extensively with the formulation of MBMC preparations and their physical and effective characteristics. Formulas for six compositions are given in which the alkylated cresol is basic. They are of the saponified solution type. There is comment also on the use of this agent to fortify pine-oil or phenolic disinfectants. The potentiation of these formulations with methylnaphthalene is described.

Copies of the bulletin are available and further information can be got from the headquarters of the division (Pittsburgh 19) or its sales offices in Boston, Chicago, Los Angeles, and New York.

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Textile and Leather Chemicals

Trading in textile and leather chemicals lacked snap last week and was confined to immediate requirements. Most materials were unchanged and steady, while corn derivatives were advanced and edible egg albumen, tapioca flour and myrobalans were easier. Price index declined to 289.4, compared with 366.5 for the same time last year.

Tight supply condition in potato starch continued to affect business for nearby delivery. Demand was urgent, but grinders were unable to offer, as light production has been sold well ahead. Corn dextrin and starch reflected the higher cost of the grain and were lifted fractionally. Tapioca flour was easier due to quiet demand and increased offers from primary sources at lower prices. Egg albumen was inactive and weaker and quotations broke 10 cents per pound. Sago flour remained steady with the firmer market for shipment from the Far East.

Tanners showed a good inquiry for wattle bark and extract replacements for early next year delivery. Quebracho extract was in fair demand for prompt shipment. Myrobalans were easier and offered freely at lower quotations. Cutch was in better demand for shipment, while other tanning materials were inactive.

Cattle hide leather production was indicated at 1,962,000 hides during September, compared with 1,982,000 hides in August, according to Tanners Council. Calf and whole kip skins output was reported at 831,000 in September against 867,000 in August; goat and kid skins, 2,978,000 against 2,730,000 and sheep and lamb skins, 2,532,000 compared with 2,619,000.

September wool consumption on a scoured basis averaged 9,900,000 pounds per week, about the same as the August rate but well below the weekly average of 13,100,000 pounds reported in September, 1948, according to the Bureau of the Census. Consumption on apparel class wool on the woolen system declined slightly but this decline was nearly offset by the increase in wool consumption on the worsted system. Carpet class wool consumption remained at the August weekly level. Wool consumption for the year to date was 33 percent less than for the same period of 1948.

Market Trends

Prices Advanced

Corn dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.

Prices Reduced

Egg albumen, edible, 10c. per lb.
technical, 10c. per lb.
Myrobalans, J1, shipment, $5 per ton.
Tapioca flour, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
289.4	297.9	301.7	366.5

(*For Current Prices see Page 9*)

Chemicals

Acetic Anhydride—Business was quiet. Market was unchanged and steady at current quotations.

Bichromates—Consumers limited demand to actual requirements though inquiry for early next year's needs was reported fairly active. Market remained steady. Production of sodium bichromate and chromate declined in September, totaling 5,552 short tons, compared with 5,575 tons in August and 8,200 tons, September last year, according to the Census Bureau.

Sulphonated Oils—Prices were without change for all grades. Sulphonated tallow was unchanged, despite an easier tone in the tallow market. Castor and cod grades were held at former levels.

Sizing Materials

Blood Albumin—Moderate demand was reported for immediate delivery. Quotations of albumin and dried soluble were maintained at current levels.

Corn Dextrin—Firmness in the grain strengthened this market. Consuming demand was fair and limited to actual requirements. All grades were lifted 10c. per 100 pounds, effective December 1. Prices also were guaranteed against advance until December 15.

Corn Starch—Business was fair, chiefly for immediate needs. Market was firmer reflecting the higher cost of cash corn and prices were advanced 10c. per 100 pounds, effective December 1 and guaranteed against advance up to December 15. Visible corn supply increased 3,845,000 bushels to 42,040,000 bushels for the week ended November 26, compared with 31,082,000 bushels for the corresponding week last year.

Egg Albumen—Increased competition and limited demand resulted in lower quotations. Edible was reduced 10c. to $1.90 to $2 per pound, depending upon seller and quantity. Technical also was easier and quoted at 80c. to 90c., as to quality and quantity. Production of liquid egg during October totaled 6,896,000 pounds, only slightly more than was produced during October last year, according to the Bureau of Agricultural Economics. Egg drying operations were on a much smaller scale than a year ago while freezing operations were on a much larger scale. Dried egg output in October totaled 933,000 pounds, compared with 2,385,000 pounds in October last year. Production consisted of 616,000 pounds of whole egg, 242,000 pounds of dried albumen and 75,000 pounds of dried yolk. Production of dried egg during the first 10 months of 1949 totaled 64,862,000 pounds, compared with 42,795,000 pounds during the same period last year. From January through November 18, the Government contracted for 60,317,781 pounds of dried whole egg for egg price support purposes.

Egg Yolk—Trading was light and spotty and restricted to Chinese material, due to the scarcity of domestic. Chinese yolk ranged from $1.24 to $1.25 per pound, duty paid for prompt delivery. Stocks of this grade were in limited supply and well held. Production of yolk was placed at 75,000 pounds in October, compared with 34,000 pounds for the same month last year.

Potato Starch—Scarcity of supplies for prompt delivery and urgent demand featured this market. Small available stocks of potatoes kept production low, and grinders were unable to offer because the output has been sold ahead. From present indications, no improvement in the tight supply condition was expected until after the turn of the year. Prices were merely nominal at 6.30c. per pound, carlots, New York basis, and 7¼c., exwarehouse.

Sago Flour—Shipments from primary sources were firmer and were advanced to 5c. per pound, exdock, carlots, for prompt delivery. Supplies on the spot were unchanged and firm at 5½c. per pound, exwarehouse.

Tapioca Flour—This market was easier and quotations were off about ¼c. per pound for stocks on the spot. High grade was quoted at 9c. per pound, exwarehouse; medium, 7¾c. to 8¼c. and low 6¾c. While business here was slow, trading was active in low grades for shipment from Java and Siam. Java grades ranged from 5¼c. to 5¾c., and Siam, 4c. to 6c. per pound, exdock, carlots, depending upon quality.

Tanning Materials

Cutch—Inquiry for replacements was reported fairly active. Offers for shipment were more liberal. Trading was fairly active at 7c. per pound, ex-dock, duty extra for December forward shipment.

Mangrove Bark—Buying interest was quite active for the South American material, which has become more popular. Offers for shipment were light and readily taken for prompt delivery. African bark was not offered for shipment.

Myrobalans—Lack of trading weakened this market and shipments became available at lower prices. J1 was reduced to $52 per ton, ex-dock for prompt shipment. Crushed J1 was quoted at $75 per ton, same basis. Imports of 1,780 bags were reported at New York last week against former orders.

Quebracho Extract—Consuming interest was confined to prompt shipment and moderate volume of business was reported at prevailing quotations. Inquiry for next year's needs was still limited as tanners continued to operate cautiously. Prices for shipment were unchanged. Arrivals totaled 3,880 bags at New York last week against prior contracts.

Wattle—Consuming inquiry was more active for replacements. Trading of good volume was reported in bark for early next year's delivery. Offerings of bark were not liberal as stocks were still limited at primary centers. Demand for extract also was in fair request, but not to the extent as for the bark. Arrivals at New York last week of bark were 1,120 bales and 540 bags of extract.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

In the current period of marked price stability, changes occurring in this market were confined to an advance of 10 cents per 100 pounds on corn syrup, a decline of 8 cents per pound on USP powdered camphor, and 7 cents per pound on crystalline lithium chloride. The index was unchanged, holding at 255.1.

Back of the price decline in camphor which was limited to USP powdered material only, lay the competitive pressure of Formosoan material. It was apparently the policy of the Nationalist government of China under emergency conditions to sell material at any price they could get in an effort to get dollars, and the feeling was expressed in some quarters that Formosoan camphor was probably being sold to United States importers at less than the cost of producing it. Accordingly, the current situation was not regarded as representing any permanent market trends or as a constant source of low priced material.

Alcohol continued in good demand and moved under a firm price structure. Government purchases of skimmed milk powder had reached tremendous totals compared to last year and was presenting the government with a serious disposal problem. Vitamins and sulpha drugs, together with antibiotics were firm in price, in good demand, and were moving promptly from ample stocks.

Such large volume items as formaldehyde, methanol, and ethyleneglycol were reported as maintaining a strong position under a firm price structure, and while supplies were abundant on the aldehyde and alcohol, the ethyleneglycol situation was merely one of reasonably good balance. Ester and ketone solvents continued in heavy demand with supplies ample and prices unchanged. Of the esters, ethyl acetate was reported a bit long, with the other alkyl esters ample but not overabundant. Ketones, with the exception of acetone, were plentiful despite large volume consumption, by virtue of very large production potentials.

Acetanilid — The combined output of both technical and USP grades of this item amounted to 222,315 pounds in September compared to 285,621 pounds in August. The trend in the acetanilid market was in the direction of increased use of the technical grade as an intermediate, while the pharmaceutical use of acetanilid was on the decline because of a continuously wider replacement of acetanilid with acetophenetidin for comparable end uses.

Acetone — Demand for this item continued at a good level and while there was no shortage of material, there was not any great accumulation of stocks. Production in September stood at 29,449,974 pounds according to the Tariff Commission, against an August output of 27,208,870 pounds. Prices were unchanged.

Acid, Acetylsalicylic—The aspirin market was reportedly undergoing a slightly upward trend in demand, with prices firm at levels prevailing over recent months. Demand was expected to show a significantly greater upswing in the coming weeks as cold weather becomes more general. Production in September amounted to 813,277 pounds compared with an August production of 907,528 pounds.

Alcohol — There was reported a sustained strong demand for alcohol last week, continuing the upward trend of inquiry which began to develop in early Fall. Prices held firmly to levels established at the mid-year in so far as the great bulk of business volume was concerned. It was expected that this present stability in the industry would continue until the end of the year, but firm trends in the alcohol business are less certain than is the case with most chemicals. The feeling was expressed in some quarters that alcohol prices might be adjusted upward at the year end.

Aluminum Chloride—NF material in granular form was quoted in drums at 27c. per pound, unchanged from levels prevailing over recent months. Supplies were said to be abundant, against which there was a steady limited demand.

Aluminum Sulphate — NF material in granular form was quoted in the range of 27c. to 28c. per pound, while the powder was firmly listed at 32c. to 33c. There was no change expected in the current price position. Supplies were abundant, and demand was better than that of some months ago, but was still felt to be sluggish.

Aminophylline—Prices were unchanged on this item, remaining in the range of $6 to $6.15 per pound depending upon quantity. Supplies were reported as adequate, with demand maintaining a moderate level.

Butyl Alcohol—Normal butyl alcohol in good demand with business over recent weeks running well ahead of the movement of material some months ago. Prices were unchanged and felt likely to hold at present levels. Supplies were plentiful. Production reported by the Tariff Commission for September stood at 10,056,763 pounds of normal butyl alcohol, compared with an August output of 10,127,588 pounds.

Camphor—The price of USP powdered or granular synthetic camphor in bulk quantities was reduced 8c. per pound last week. This brought price quotations down to 45c. per pound for 2,000 pound lots, 46c. per pound for 1,000 pound lots, and 47c. per pound for smaller quantities. Prices of USP tablets, and on technical grades of camphor were unaffected.

Back of the price reduction on synthetic USP camphor powder was the competitive influence currently prevailing on natural camphor from Formosa. The feeling in informed quarters was expressed that Formosan material was currently being sold to United States importers at what was probably less than its cost of production, as a result of Nationalist China's effort to move anything they could at any price in order to get dollars in their present emergency. Consequently the current natural market could not be regarded as a constant source of supply of low cost material, nor could the present situation be regarded as indicative of a sustained market trend.

Carbromal—Various sources of supply for this item continued to offer the material at different prices for the same quantity. In 100-pound lots quotations ranged from $4 to $4.25 per pound, while smaller lots ranged upward varying as to quantity. Twenty-five pound lots, for example, were available from various producers at from $4.10 to $4.75 per pound. These prices refer to the NF grade.

Castor Oil—Prices on oil were reported as steady and unchanged in a moderately good market demand. Beans were still quoted essentially on a nominal basis, unchanged from the $106 per long ton carried over recent weeks.

Imports of beans at United States ports last week amounted to 51,293 bags, equivalent to 7,693,950 pounds, compared to arrivals totaling 13,715 bags or 2,057,250 pounds the previous week, and 7,196 bags or 1,079,400 pounds during the corresponding week of 1948.

Total arrivals since January 1 of this year amounted to 1,583,330 bags equivalent to 237,499,500 pounds, compared with imports of 1,257,711 bags or 188,752,650 bags during the corresponding period of last year.

Cortisone—A price reduction of 25 percent was announced effective December 1 on cortisone, making the price to institutions $150 per gram. The producer predicted that 1950 production would be increased sufficiently during the first half of the year to permit limited amounts to be distributed to medical research centers for research work. It was also made available to hospitals and institutions in one cc vials at $45 per vial effective December 1.

Ethyl Acetate—Supplies of this item were described in most quarters as long. While demand was considerably better than it had been some months back, the competitive position of ethyl acetate was felt not to have improved as much as was the case with some of the other alkyl esters. Prices were firm at levels established in the third quarter. Production of the 85 percent grade was reported by the Tariff Commission as 5,338,851 pounds in September compared with an output of 6,423,688 pounds in August.

Ethyl Ether—Supplies of this item were reported as plentiful. Anesthesia material moved steadily under a firm price position

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Corn syrup, 10c. per 100 lbs.

Prices Reduced

Camphor, USP. powder, 8c. per lb.
Lithium chloride, 7c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
255.1	255.1	256.0	258.9

(*For Current Prices see Page 9*)

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in which quotations at the hospital level were in the range of 75c. to 90c. per pound depending upon quantity and packaging. Industrial solvent grades were also unchanged in price in which the USP industrial grade and the synthetic material were both quoted at 8½c. per pound in tankcars, 10½c. in drum carlots, and 12½c. in less than carlot drum quantities.

Total production of all grades of ethyl ether was reported by the Tariff Commission as 2,547,428 pounds in September, compared with an August output of 2,232,020 pounds.

Ethyleneglycol—Producers of ethyleneglycol were inclined to feel that at this point only the weather man could predict the future market position with respect to antifreeze outlets. How much material canned for the current season would be left on dealers shelves at the end of the season could not now be estimated. Meanwhile, current production was going forward at full speed and was being purchased for storage against next year's canning season.

Production figures reported by the Tariff Commission for September partially reflected the strike then in effect in the plants of a large producer. Output in September was 33,367,441 pounds, a drop of 4,646,016 pounds under the August output of 38,013,457 pounds. Prices were firm and no change in the immediate future was expected. With the resumption of production following strike settlement in the struck plants, production was expected to increase accordingly, and the supply position was felt likely to be in favorable balance with demand.

Formaldehyde—The price position of this item was unchanged. Supplies were quite ample, with output maintaining a high level in response to a stepped up demand which started in early Fall. Operations of the plastic, resin and adhesive industries have been going strong the past two months and this has resulted in a sustained good demand for formaldehyde. Early evidences of this development were reflected in the production figures for September reported by the Tariff Commission, in which September output stood at 45,214,925 pounds compared with 43,452,328 pounds during the month of August. It was expected that the production figures for October and November would be significantly higher.

Hydroquinone—While demand was improved over the level of the third quarter, prices maintained their former position in which the technical grade of material was quoted at 70c. per pound and the photographic grade at 90c. per pound. Supplies were reported as adequate to meet the currently larger demand.

Lithium Salts—Anhydrous crystals of lithium chloride containing approximately only 0.25 percent of water were quoted at 93c. per pound in quantities of one drum or more. The prices on lithium fluoride ranged from $1.85 to $2 per pound for 100 pound drums or more, while ton lots were quoted in the range of $1.80 to $1.85. Lithium hydroxide in 400 pound drums was quoted at $1 to $1.25 per pound for one or more drums, while ton lots were listed in the range of 95c. to $1.23 per pound. Supplies were reported as ample, and demand moderate.

Menthyl Salicylate—This aromatic material was firmly priced in the range of $4 to $4.25 per pound depending upon quantity. Demand was said to be limited, and trading was confined to moderate quantities which could be shipped promptly.

Methanol—Both natural and synthetic methanol were moving under a firm price structure unchanged from that which has prevailed over recent months. Production of natural methanol in September

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amounted to 966,432 pounds, compared with an August output of 1,043,436 pounds. According to the Tariff Commission, the production of synthetic methanol jumped significantly in early Fall with September production amounting to 61,911,135 pounds, compared with the August output of 53,513,163 pounds.

In addition to antifreeze replacement orders, a good share of the increased methanol output was due to demand for the manufacture of formaldehyde which was needed for increased production of such formaldehyde condensate resins as phenolics, urea-formaldehyde, and melamine resins, molding compounds, and adhesives.

Milk Powder—Prices were unchanged and the market steady at a volume of trading which represented only buyer's immediate needs. CCC purchases for the period of November 18 to 23 amounted to 3,535,530 pounds of spray process skimmed milk powder and 1,861,257 pounds of roller process material, both at parity prices. In addition, the government purchased skimmed milk powder packaged in cases of twenty four 2 pound cans. Such purchases amounted to 6,400,000 pounds of spray process material at 15.40c. to 15.50c. per pound f.o.b. Wisconsin. Total government purchases of skimmed milk powder to date amounted to 399,774,196 pounds, compared with purchases during the corresponding period of last year amounting to 126,539,348 pounds.

Nicotinic Acid and Nicotinamide—Pricewise there were no new developments in this market, but demand was seasonally on the increase and production was accordingly stepped up in early Fall. September production was reported by the Tariff Commission as 101,679 pounds, a considerable increase of the August output of 72,202 pounds.

Penicillin and Salts—The various penicillin salts were abundantly available from ample production capacity, and moved in large volume as a result of a sustained heavy demand. September production was reported by the Tariff Commission as 11,403,358 million Oxford units compared with August production figures of 9,915,386 million Oxford units.

Prices at the level of bulk quantities were unchanged, and any fluctuations that existed in the market were confined to distributive channels.

Effective November 1, the government of Peru abolished government control over the importation and distribution of penicillin. Distribution and sale are now handled by local pharmacies and drug stores.

Phenobarbital—There was a steady demand for phenobarbital and its sodium salt. Prices were firm at levels prevailing over recent months. Supplies were regarded as quite adequate to meet consuming needs. Production of phenobarbitol and its salts in September amounted to 15,208 pounds.

Streptomycin—This antibiotic group of materials were reported in continued strong demand domestically, under a firm price position on both regular and the dihydro product. September production fell off from the level of the August output, according to Tariff Commission reports. Output in September was reported as 6,824,455 grams, compared with August at 8,022,860 grams.

Sulpha Drugs—These items maintained a firm price position, unchanged from levels prevailing over recent months. September production of all types of sulpha drugs totaled 259,119 pounds compared with the August output of 371,595 pounds.

Thiamine Hydrochloride — Production and demand for this vitamin B_1 material were on the uptrend in a movement which started in early Fall. Prices were firm at levels prevailing over recent months. September production was reported by the Tariff Commission as 14,691 pounds compared with the August output of 6,505 pounds.

Trade Briefs

Dr. Donald A. Wallace has been appointed assistant research manager of the Pepsodent Division, Lever Brothers Company. Dr. Wallace has been affiliated with the American Dental Association for the past eleven years.

H. C. Spencer, V. K. Rowe and D. D. McCollister, biochemical research laboratory, Dow Chemical Company, presented a paper entitled "DHA. Acute and Chronic Toxicity" before the recent meeting of the American Society for Pharmacology and Experimental Therapeutics.

Carbide & Carbon Chemicals Corporation, New York, is offering upon request a descriptive folder outlining the properties, textile characteristics and applications of "Dynel," a staple fiber spun from a copolymer of acrylonitrile and vinyl chloride.

Comm'l Solvents Shipping Methanol by Water Transport

Commercial Solvents Corporation, New York, has commenced shipments of chemicals by water transportation from its plant at Sterlington, La., for the first time since the war. The first such shipment, consisting of 250,000 gallons of methanol, was recently made by barge from the plant to New Orleans, where it will be transshipped by tanker to points on the eastern seaboard.

Edcan Expands Services

Edcan Laboratories, Norwalk, Conn., has announced the availability of its analytical, research and development departments on a consulting basis. John Herold, formerly with the Deering-Millikan Research Trust, has joined the company's expanded analytical division.

Strong Cobb Names Canadian Agent

Strong Cobb & Co., Cleveland, Ohio, has appointed the Wingate Chemical Company, Ltd., distributor of "Ampins" sterile injection units in Canada. The Wingate organization has offices at 378 Saint Paul street West, Montreal.

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*Ishmael, Hellbaum, et al., Jour. Okla. State Med. Assoc. Vol. 42, No. 10, October 1949
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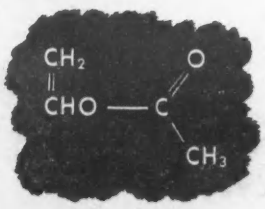

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U.S. Revenue Returns Increased in October

Collections of internal revenue in the United States during October totaled $2,302,332,632.71, as compared with $2,272,920,886.19 in the corresponding month of last year, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	October 1949	October 1948
Coconut and other vegetable oils processed	$1,581,185.60	$1,613,224.17
Distilled spirits, domestic, excise tax	138,602,693.36	142,688,823.86
Distilled spirits, imported, excise tax	13,888,076.56	12,236,313.86
Gasoline	49,320,823.79	45,803,408.24
Lubricating oils	7,163,259.64	6,289,819.45
Matches	608,215.65	858,772.36
Narcotics, including marihuana and special taxes	34,002.65	24,707.68
Oleomargarin, including special taxes	1,985,284.25	1,155,414.06
Silver bullion sales or transfers, stamp tax	4,824.13	63,761.54
Sugar	7,741,730.90	7,811,457.97
Toilet preparations, excise tax	6,760,408.63	6,335,804.21
Transportation of oil by pipeline	1,286,669.17	2,004,080.05

Sharp & Dohme Names Scott Medical Director

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has appointed Dr. J. Murray Scott medical director, to succeed Dr. J. William Crosson, who has been named to the newly created post of medical administrator. Dr. Scott has been medical director of Ayerst, McKenna & Harrison, New York, for the past eight years, and was formerly in charge of clinical investigation for the Upjohn Company, Kalamazoo, Mich.

Monsanto Publishes Data On Surface Active Agents

Monsanto Chemical Company, St. Louis, has published a technical bulletin detailing solubility, surface tension effects and stability data on three industrial surface active agents. The materials are "Areskap" monobutyl phenylphenol sodium monosulphonate, "Aresket" monobutyl bipheny sodium monosulphonate and "Aresklene" dibutyl phenylphenol sodium disulphonate. The bulletin also contains a number of formulations for insecticides, rodenticides, apple washing, ant control, wire pickling and embalming fluid in which the Monsanto products serve as wetting agents or emulsifiers. Copies of the publication are available by writing the company.

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APMA Seeks Greater

—Continued from page 7

said, and added that Cyanamid's average, exclusive of bulk drugs, is in the seven to eight months' range.

"Pharmaceutical products must carry a wide margin of gross profit," according to Mr. Bechtel. "It is, therefore, more usual than not to find an attitude of management favoring over generous stocks. To some degree this attitude is warranted. The health, even life of customers, may be dependent on one or a few producers of a special drug or medical product. On others, competition is such that, if your product is not available on request, a substitute is purchased.

"Liberality on inventory is often carried to the extreme and becomes a costly burden on the business, which eventually becomes an unnecessary burden on the consumer. No business enterprise can afford an indifferent attitude toward the size of its inventories."

Speaking on the development of new products, William B. Baker, of E. R. Squibb & Sons' research and development laboratories, declared that today most pharmaceutical manufacturers perform in a dual role:—partly indulging in basic researches for new synthetics, antibiotics, natural extractives or glandular products, and partly depending upon prime specializing producers for sources of single or multiple components which, after due trial and investigation, will comprise a new, finished formulation.

"Whether a pharmaceutical manufacturer indulges in a large or small amount of basic research," he said, "usually he must or should also carry on a considerable amount of formulation development. In fact, for the manufacturer who depends mostly or entirely on prime sources for drugs and chemicals, and who does little basic research, formulation development is, and should be, of major importance.

"Assuming that such a manufacturer's technical team has sound leadership, is capable and well grounded in the pharmaceutical and related sciences, and has the ability to visualize the potentialities of therapeutic compounds, such a group's greatest function will be the most effective devisement of a dosage form which is intended to become a marketed product."

With three outstanding authorities on rheumatic diseases participating, a symposium on cortisone and ACTH was one of the features of the meeting. The speakers and their topics were Dr. Richard H. Freyberg, associate professor of clinical medicine at Cornell Medical College, "Clinical Experiment with Steroid Hormones and ACTH in Rheumatic Diseases"; Dr. John R. Mote, Medical director of Armour Laboratories, "The Role of the Adrenal Gland in Health and Disease," and Dr. R. R. Williams of the Research Corporation, "Integration of Research on 'Compound E'."

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Division of National Dairy Products Corporation

CHEMURGIC DIVISION

Imports at United States Ports

New York

ALOES—47 cs, Meer Corp, Robin Tuxford, Cape Town

AMMONIUM CARBONATE—20 cs, American British Chemical Supplies, Eucadia, Glasgow

AMYRIS OIL—5 dms, Norda Essential Oil & Chemical Co, Isaiah, Miragoane

ANILINE COLORS—3 dms, Ciba Co, Noordam, Rotterdam
8 dms, Carbic Color & Chemical Co, Washington, Havre
13 dms, Ciba Co, Washington, Havre

ANNATTO SEED—68 bgs, Corn Exchange Bank, Santa Margarita, Callao

ANTIMONY METAL—10 cks, Mercantile Metal & Ore Corp, American Scout, Liverpool
ORE—102 bgs, Philipp Bros Co, Santa Margarita, Antofagasta
392 bgs, Charles Tennant Sons Co, Santa Margarita, Antofagasta

ARABIC GUM—250 bgs, Meer Corp, Excelsior, Port Sudan
256 bgs, Stein, Hall & Co, Excelsior, Port Sudan
250 bgs, Henry Heide, Excelsior, Port Sudan
250 bgs, Cerussi Trading Co, Excelsior, Port Sudan
100 bgs, International Fertilizer & Chemical Corp, American Packer, London
500 bgs, Innis, Speiden & Co, Steel Designer, Port Sudan
300 bgs, Paul Dunkel & Co, Steel Designer, Port Sudan
250 bgs, Henry Heide, Steel Designer, Port Sudan
500 bgs, Jacques Wolf & Co, Steel Designer, Port Sudan

ARSENIC, BLACK, METALLIC—100 dms, Overseas Metal & Ore Corp, American Packer, London
23 dms, Overseas Metal & Ore Corp, Mormacelm, Gdynia
140 bbls, Cia Minera Asaro, Agwimonte, Tampico

ASBESTOS FIBER—575 bgs, Johns Manville Products Corp, Hoegh Silverwave, Fremantle
9,200 bgs, Union Asbestos & Rubber Co, Clan Allan, Lourenco Marques
5,100 bgs, Johns Manville Corp, Clan Allan, Cape Town
2,700 bgs, New York Trust Co, Robin Tuxford, Lourenco Marques

ASCORBIC ACID—4 cs, Biddle Sawyer Corp, Alwaki, Antwerp

BAUXITE ORE—1,837 tons, General Chemical Co, Byfjord, Paramaribo

BEES WAX—150 blocks, R D Heins, Excelsior, Aden
73 blocks, B H Lepow Co, Excelsior, Aden
60 bgs, J W Hanson Co, Wideawake, Rio de Janeiro
100 bgs, L Luzzatto Co, Wideawake, Rio de Janeiro
21 bgs, Bank of Manhattan Co, Agwidale, Havana

BENZOIN GUM—4,657 lbs, Max Van Pels, President Jefferson, Singapore
2,182 lbs, R J Prentiss & Co, President Jefferson, Singapore
10,941 lbs, William E Martin Co, President Jefferson, Singapore
12,865 lbs, Meer Corp, President Jefferson, Singapore

BERGAMOT OIL—80 cs, President Jefferson, Genoa

BISMUTH—32 cs, Cerro De Pasco Copper Corp, Santa Margarita, Callao

BLOOD, DRIED—1,008 bgs, International Packers Commercial Co, Mormactide, Santos

BONES—13 bgs, Kaipara, Brisbane
1 pkg, International Packers Commercial Co, Mormactide, Santos
CRUSHED—1,453 bgs, E J Lang & Co, Yvonne, Rio de Janeiro

BONEMEAL—1,250 bgs, Transatlantic Animal By-Products Corp, Ogna, Havre

BRUCINE—4 cs, American Scout, Glasgow
ALKALOID—8 cs, Lo Curto & Funk Co, Eucadia, Glasgow
SULPHATE—5 cs, American Roland Corp, Eucadia, Glasgow

CADMIUM—101 cs, American Union Transport, Anna Maersk, Kobe

CALCIUM ARSENATE—9 cks, American Packer, London

CAMPHOR OIL—25 dms, Norda Essential Oil & Chemical Co, Anna Maersk, Keelung

CANDELILLA WAX—250 bgs, G Jimenez, Agwimonte, Vera Cruz

CARAWAYSEED—100 bgs, Levy & Lewis Co, Noordam, Rotterdam
100 bgs, Catz American Co, Noordam, Rotterdam
100 bgs, Levy & Lewis Co, Alwaki, Rotterdam

CARDAMOM—20 cs, B H Old Co, Excelsior, Tuticorn
20 cs, W E Martin Co, Excelsior, Tuticorin
12 cs, Dodwell & Co, President Jefferson, Colombo
16 cs, S B Penick & Co, President Jefferson, Cochin

CARNAUBA WAX—61 bgs, Norda Essential Oil & Chemical Co, Wideawake, Rio de Janeiro

CASEIN—500 bgs, American British Chemical Supplies, Washington, Havre

CASHEW NUT OIL—293 tons, Irvington Varnish & Insulator Co, President Jefferson, Cochin
145 dms, Irvington Varnish & Insulator Co, Excelsior, Mangalore

CASSIA—300 bls, Arthur G Dunn, Anna Maersk, Hong Kong
230 bls, J Berlage Co, Anna Maersk, Hong Kong
52 bls, Karl H Landes Co, Anna Maersk, Hong Kong

CASTORBEANS—17,838 bgs, Baker Castor Oil Co, Loide, Sao Domingo, Salvador
5,100 bgs, Spencer Kellogg & Sons Co, Eidanger, Cabedello
3,387 bgs, Baker Castor Oil Co, Eidanger, Cabedello
744 bgs, Spencer Kellogg & Sons Co, Bresle, Jacmel
199 bgs, Spencer Kellogg & Sons, Bresle, Port Au Prince
732 bgs, Baker Castor Oil Co, Bresle, Port De Paix
5,082 bgs, Spencer Kellogg & Sons Co, Wideawake, Bahia
1,016 bgs, Baker Castor Oil Co, Wideawake, Santos
385 bgs, Spencer Kellogg & Sons Co, Isaiah, Port Au Prince
15,116 bgs, Baker Castor Oil Co, Mormactide, Salvador
1,694 bgs, Baker Castor Oil Co, Mormactide, Salvador

CACTUS ROOT—2 bgs, Peek & Velsor, Inc, Excelsior, Bombay

CELERYSEED—171 bgs, Rosenthal & Co, Hoegh Silverwave, Bombay
225 bgs, Reuben Import Export Corp, Hoegh Silverwave, Bombay
175 bgs, George Lueders & Co, Excelsior, Bombay
51 bgs, S B Penick & Co, Excelsior, Bombay
347 bgs, Otto Gerdau & Co, Excelsior, Bombay
170 bgs, M J Golombeck Co, Excelsior, Bombay
138 bgs, Reuben Import & Export Corp, Excelsior, Bombay
86 bgs, B H Old & Co, Excelsior, Bombay
120 bgs, C Comiter Co, Excelsior, Bombay
175 bgs, Otto Gerdau Co, President Jefferson, Bombay

CHEMICALS—1 cs, Globe Shipping Co, American Jurist, Rotterdam
6 dms, Atlas Powder Co, Kaipara, Melbourne
1 cs, I D Russell Co, American Packer, London
3 pkgs, Roure Dupont Co, Washington, Havre
1 cs, H A Gogarty & Co, Washington, Havre
5 cs, Lo Curto & Funk Co, President Jefferson, Marseilles

CHROME ORE—5,500 tons, E J Lavino & Co, Muncaster Castle, Karachi
2,000 tons, E J Lavino & Co, Fernhill, Santa Cruz
2,000 tons, E J Lavino & Co, Fernhill, Masinloc

CINCHONA PRODUCTS—29 cs, Guaranty Trust Co, Noordam, Rotterdam

CINNAMON BARK OIL—2 cs, George Lueders Co, President Jefferson, Colombo
QUILLS—200 bls, Arthur G Dunn, President Jefferson, Colombo

CITRONELLA OIL—6 dms, Centflor Manufacturing Co, Anna Maersk, Keelung
11 dms, Givaudan Delawanna Corp, Anna Maersk, Keelung
13 dms, National City Bank, President Jefferson, Keelung
12 dms, Polak Schwarz Co, President Jefferson, Colombo
60 dms, A Maschmeijer, jr, & Co, Inger Skov, Puerto Barrios
5 dms, Dodge & Olcott, Inc, Inger Skov, Puerto Barrios
26 dms, Givaudan Delawanna Corp, Anna Maersk, Keelung
7 dms, Otto Gerdau Co, Anna Maersk, Keelung
22 dms, Norda Essential Oil & Chemical Co, Anna Maersk, Keelung

COCA LEAVES — 120 bls, Maywood Chemical Works, Santa Margarita, Salaverry

COCONUT OIL — 382 tons, Philippine Refining Corp, Muncaster Castle, Manila
1,056 tons, R J Roesling Fernhill, Cebu
404 tons, Philippine Refining Corp, Anna Maersk, Manila
309 tons, Colgate-Palmolive-Peet Co, President Jefferson, Manila

COD LIVER OIL—21 ctns, B Westergaard, Stavangerfjord, Stavanger
118 dms, Arista Oil Prod Co, Stavangerfjord, Stavanger
100 dms, Martin Dennis Co, Stavangerfjord, Stavanger
250 dms, Stavangerfjord, Stavanger

COLOMBO ROOT—98 bgs, S B Penick & Co, Robin Tuxford, Dar Es Salaam

COLORS, DRY—4 cs, Bluefries N Y Inc, American Jurist, Amsterdam
1 cs, J E Bernard & Co, Parthia, Liverpool
1 cs, Parthia, Liverpool
1 dm, Parthia, Liverpool
PIGMENTS—14 bbls, Transatlantic Pigment Co, Alwaki, Rotterdam

COPAL GUM—334 bgs, Brown Bros Harriman Co, American Jurist, Antwerp
75 bkts, Internatio Rotterdam, Inc, Fernhill, Macassar
56 bkts, O G Innes & Co, Fernhill, Macassar

COPRA MEAL—10 dms, Allis Chalmers Co, President Jefferson, Singapore

CREAM OF TARTAR—4 bbls, F H Taussig & Co, Agwidale, Havana

CRESYLIC ACID—131 dms, Monsanto Chemical Co, Parthia, Liverpool
50 dms, American Packer, London
100 dms, Alwaki, Rotterdam
94 dms, American Scout, Glasgow
200 dms, Washine National Sands, Inc, American Scout, Liverpool
200 dms, Coaltar Chemicals Corp, American Scout, Liverpool
55 dms, H A Gogarty & Co, American Scout, Liverpool
200 dms, Tar Residues Co, American Scout, Manchester

DAMMAR GUM—45 cs, J S Khorana Co, Steel Designer, Bangkok
20 cs, A S Wittenberg Co, Steel Designer, Bangkok
100 cs, Meer Corp, Fernhill, Batavia

DILLSEED—90 bgs, Reuben Import Export Corp, Hoegh Silverwave, Bombay

DRUGS, CRUDE—100 bgs, S B Penick & Co, Villa Do Porto, Oporto
20 bgs, S B Penick & Co, President Jefferson, Colombo

DUPONOL—183 dms, Asiatic Petroleum Corp, Alwaki, Rotterdam

DYESTUFFS—31 dms, Ciba Co, Noordam, Rotterdam
16 bbls, Wilson Export & Import Corp, Alwaki, Antwerp
3 dms, Ciba Co, Washington, Havre

EARTH COLORS—5 cks, T H Oeutz, American Jurist, Amsterdam

ENONACYANIE—5 bbls, LoCurto & Funk Co, President Jefferson, Genoa

ESPARTO WAX—32 bgs, Brown Bros Harriman Co, American Scout, Glasgow

ESSENTIAL OIL—1 cs, Zanadu Manufacturing Corp, American Ranger, Havre
5 dms, Dodge & Olcott, Inc, President Jefferson, Marseilles
1 dm, Norda Essential Oil & Chemical Co, President Jefferson, Marseilles

EUCALYPTUS OIL—17 dms, First National Bank Chicago, Parthia, Liverpool
15 dms, Norda Essential Oil & Chemical Co, Villa Do Porto, Lisbon

FENNELSEED—90 bgs, The Meer Corp, Hoegh Silverwave, Beirut

FISHBERRIES—40 bgs, Peek & Velsor, Inc, Excelsior, Bombay

FISH LIVER OIL—20 dms, Consumers Import Co, Anna Maersk, Yokohama

FLEASEED—1,502 bgs, Brown Bros Harriman Co, Excelsior, Bombay
411 bgs, S B Penick & Co, Excelsior, Bombay
202 bgs, R J Prentiss & Co, Excelsior, Bombay
307 bgs, S B Penick & Co, President Jefferson, Bombay
238 bgs, R J Prentiss & Co, President Jefferson, Bombay
33 bgs, S B Penick & Co, President Jefferson, Marseilles
22 bgs, Peek & Velsor, Inc, President Jefferson, Marseilles

FLIES, DRIED—32 bgs, S B Penick & Co, Agwimonte, Vera Cruz

FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
109,565 bbls, Esso Standard Oil Co, Bradford Island, Caripito
76,013 bbls, Paragon Oil Co, Sotunfjell, Curacao
104,937 bbls, Esso Standard Oil Co, Imperial Winnipeg, Caripito
96,415 bbls, Texas Oil Co, Yellow Tavern, Brighton
64,909 bbls, Asiatic Petroleum Corp, Christopher L Sholes, Aruba
91,000 bbls, Esso Export Corp, Esso Bolivar, Aruba

FULLERS EARTH—600 bgs, L A Salomon & Bros Co, Eucadia, Avonmouth

GALLNUTS—334 bgs, Lee Trading Co, Anna Maersk, Hong Kong
96 bgs, Balfour, Guthrie & Co, Ferngulf, Beirut

GAMBOGE GUM—5 cs, Meer Corp, Steel Designer, Bangkok

GERANIUM OIL—13 dms, Banque Belge, Robin Tuxford, Dar Es Salaam
9 dms, Ungerer & Co, Robin Tuxford, Mombasa

GHATTI GUM—57 bgs, Paul A Dunkel & Co, President Jefferson, Bombay

GLUESTOCK—2 bls, Loewengart & Co, Agwimonte, Vera Cruz

GLYCERIN—202 bbls, Hercules Powder Co, Noordam, Rotterdam
136 tons, Procter & Gamble Co, Anna Maersk, Manila
710 dms, C J Schellings Co, President Jefferson, Bombay
120 bbls, C J Schellings Co, President Jefferson, Bombay

GRAPHITE — 500 bgs, Asbury Graphite Mills, President Jefferson, Colombo

GUM—100 cs, Chicle Development Co, President Jefferson, Singapore

GYPSUM—8,650 tons, National Gypsum Co, Dingwall, Dingwall
9,933 tons, U S Gypsum Co, Gypsum Queen, Hantsport
CALCINED—224 bgs, Whittaker, Clark & Daniels Co, Parthia, Liverpool
UNCALCINED—306 bgs, L A Salomon & Bros Co, American Scout, Liverpool
HAKE LIVER OIL—53 cs, Strong Cobb, Robin Tuxford, Capetown
9 dms, Frazar & Co, Robin Tuxford, Capetown

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IPECAC ROOT — 30 bgs, Wessel, Duval & Co, Santa Clara, Barranquilla
IRISH MOSS — 100 bls, Meer Corp, American Ranger, Havre
JALAP ROOT—59 bgs, Agwimonte, Vera Cruz
KARAYA GUM—67 bgs, Stein, Hall & Co, Hoegh Silverwave, Bombay
243 bgs, Dodwell & Co, Hoegh Silverwave, Bombay
534 bgs, Meer Corp, Hoegh Silverwave, Bombay
688 bgs, Meer Corp, Excelsior, Bombay
467 bgs, Dodwell & Co, Excelsior, Bombay
66 bgs, J B Gruman Co, President Jefferson, Bombay
614 bgs, Dunlop Alpers & Mott Co, President Jefferson, Bombay
200 bgs, Jacques Wolf Co, President Jefferson, Bombay
93 bgs, S B Penick & Co, President Jefferson, Bombay
59 bgs, Schering Corp, President Jefferson, Marseilles
KYANITE ORE—2 bgs, Greene Trading Co, Robin Tuxford, Mombasa
LAUREL LEAVES—50 bls, Hudson Tea & Spice Co, Villa Do Porto, Oporto
228 bls, William M Allison & Co, Ferngulf, Izmir
LEMONGRASS OIL—10 dms, Ungerer & Co, Inger Skov, Puerto Barrios
72 dms, Norda Essential Oil & Chem Co, Inger Skov, Puerto Barrios
10 dms, Lo Curto & Funk Co, Inger Skov, Puerto Barrios
LIME OIL—1 dm, Dodge & Olcott, Inc, Agwimonte, Tampico
2 cs, W J Bush & Co, Byfjord, Trinidad
1 cs, D Steengrafe Co, Byfjord, Trinidad
LOCUST BEAN GUM—600 bgs, President Jefferson, Genoa
80 bgs, Central Hanover Bank & Trust Co, Parthia, Liverpool
MALT—1,901 bgs, Old World Malt Co, American Jurist, Rotterdam
MEDICINAL HERBS—20 bls, R J Prentiss & Co Alwaki, Antwerp
10 bls, Peek & Velsor, Inc, Villa Do Porto, Lisbon
11 bls, President Jefferson, Leghorn
METABISULPHITE POTASH—30 dms, Manufacturers Trust Co, American Ranger, Havre
8 dms, H Reiffenberg Co, American Ranger, Havre
MICA—65 cs, Sylvania Electrical Products Corp, Yvonne, Rio de Janeiro
18 cs, Western Hemisphere Raw Materials Corp, Yvonne, Rio de Janeiro
41 cs, Eugene Munsell & Co, Yvonne, Rio de Janeiro
25 cs, American Mica Works, American Packer, London
22 cs, Vilco, inc, American Packer, London
40 cs, Cornelius & Suhr Co, American Packer, London
43 cs, Ford Radio & Mica Corp, Eidanger, Rio de Janeiro
29 cs, Cosmopolitan Trading Corp, Wideawake, Rio de Janeiro
27 cs, Otto Gerdau & Co, Wideawake, Rio de Janeiro
9 cs, Western Hemisphere Raw Materials Corp, Wideawake, Rio de Janeiro
MINERAL WAX—76 bgs, Wax & Rosin Corp, Rafael Semmes, Bremen
MOLLESEED—60 bgs, Peons & Co, Santa Margarita, Puna
MOLYBDENITE—69 dms, Philipp Bros, Anna Maersk, Kobe
MONAZITE SAND—2,800 bgs, Rare Minerals & Metals Co, Wideawake, Victoria
MOSS—35 cs, J E Bernard Co, Stavangerfjord, Oslo
MUSTARD SEED—80 bgs, Becker Mayer Seed Co, American Packer, London
560 bgs, K H Landes Co, American Packer, London
MYROBALANS—1,781 bgs, Barkey Import Co, Excelsior, Bombay
MYRRH GUM—20 cs, R D Heins Co, Excelsior, Aden
NAPHTHALENE—500 bgs, Chemical Bank & Trust Co, American Jurist, Antwerp
1,000 bgs, Alwaki, Antwerp
NIGERSEED—134 bgs, Hershey & Co, Excelsior, Bombay
329 bgs, Hurley Mountain Products Co, President Jefferson, Bombay
NITRO AMINO PHENOL—1 cs, Imperial Chemical Industries, Parthia, Liverpool
NUTMEGS—527 bgs, Internatio Rotterdam, Inc, Steel Designer, Tandjong Priok
112 bgs, Charles T Wilson Co, Steel Designer, Singapore
417 bgs, Catz American Co, Noordam, Rotterdam
23 bgs, Lo Curto & Funk Co, Fernhill, Macassar
150 bgs, McCormick & Co, Fernhill, Macassar
68 bgs, Otto Gerdau Co, Fernhill, Macassar
26 bgs, Joensson Cross Co, Fernhill, Macassar
102 bgs, Karl H Landes Co, Steel Chemist, Colombo
NYLON SIZING AGENT—22 dms, Parthia, Liverpool
OITICICA OIL—102 dms, Murray Oil Products Corp, American Packer, London
OLIVE OIL FOOTS—150 dms, Leghorn Trading Co, Hoegh Silverwave, Naples

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Testosterone Propionate
Methyl Testosterone
Free Testosterone
Arecoline Hydrobromide N. F.

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OPOPANAX GUM—13 bgs, E D Heins Co, Excelsior, Aden
ORRIS ROOT—18 bgs, S B Penick & Co, President Jefferson, Genoa
OURICURY WAX—112 bgs, W R Grace & Co, Wideawake, Bahia
OX GALL—3 dms, Bank of New South Wales, Kaipara, Brisbane
4 trcs, Wilson & Co, Mormactide, Santos
OXIDE, IRON—218 bgs, T H Deutz Co, American Jurist, Amsterdam
PALMAROSA OIL—1 cs, Volkart Bros, Hoegh Silverwave,
PAPAIN—28 cs, Peek & Velsor, Inc, Excelsior, Colombo
100 cs, American Ferment Co, Robin Tuxford, Mombasa
74 cs, Whitehall Shipping Co, Robin Tuxford, Mombasa
37 cs, P O Hoffmann Co, Robin Tuxford, Mombasa
223 cs, Charles L Huisking, Robin Tuxford, Mombasa
103 cs, T F Grant, Robin Tuxford, Tanga
14 cs, R J Prentiss & Co, Steel Designer, Colombo
28 cs, Wessel, Duval & Co, Steel Designer, Colombo
PATCHOULI OIL—6 cs, East Asiatic Co, Steel Designer, Penang
4 cs, J Berlage Co, President Jefferson, Genoa
PEARL OIL—5 cs, Kajo Products Corp, Stavangerfjord, Oslo
PEATMOSS—300 bls, J E Bernard & Co, American Packer, Bremen
1,500 bgs, Premier Peat Moss Corp, American Packer, Bremen
125 bls, C Gastmeyer Co, Noordam, Rotterdam
400 bls, Premier Peatmoss Corp, Alwaki, Bremen
200 bls, Alwaki, Rotterdam
PEPPER, BLACK—240 bgs, Mincing Trading Corp, President Jefferson, Cochin
80 bgs, Bansidhar Gopaldas, President Jefferson, Cochin
80 bgs, Superintendence Co, President Jefferson, Cochin
80 bgs, M Golodetz Co, President Jefferson, Cochin
80 bgs, Branston Co, Excelsior, Mangalore
100 bgs, J Berlage Co, Steel Designer, Bangkok
640 bgs, Steel Designer, Bangkok
80 bgs, M Golodetz Co, Steel Designer, Alleppey
160 bgs, Virchand Panachand, Steel Designer, Alleppey
256 bgs, Hoegh Silverwave, Bombay
480 bgs, Reuben Import Export Corp, Excelsior, Bombay
80 bgs, Bansidhar Gopaldas, Excelsior, Bombay
80 bgs, Superintendent Co, Excelsior, Bombay
960 bgs, Otto Gerdau Co, Excelsior, Bombay
320 bgs, East India Co, Excelsior, Bombay
80 bgs, Irving Trust Co, Excelsior, Bombay
160 bgs, Chemical Bank & Trust Co, Steel Designer, Cochin
240 bgs, Brown Bros-Harriman Co, Steel Designer, Cochin
240 bgs, Joensson & Cross, Inc, Steel Designer, Cochin
160 bgs, M Golodetz Co, Steel Designer, Cochin
80 bgs, D Hecht & Co, Steel Designer, Cochin
80 bgs, Arthur G Dunn, President Jefferson, Bombay
160 bgs, East India Trading Co, President Jefferson, Bombay
WHITE—38 bls, J Berlage & Co, Noordam, Rotterdam
70 bgs, Otto Gerdau Co, President Jefferson, Singapore
PETROLEUM, CRUDE—121,851 bbls, Socony Vacuum Oil Co, Cornell, Puerto La Cruz
103,505 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
121,869 bbls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz
179,464 bbls, Esso Standard Oil Co, Esso Stockholm, Cartagena
118,593 bbls, Esso Standard Oil Co, Esso Asheville, Puerto La Cruz
PHTHALIC ANHYDRIDE—667 bgs, Assoc Metals & Minerals Corp, American Jurist, Amsterdam
560 bgs, Parthia, Liverpool
POPPYSEED—100 bgs, Catz American Co, Noordam, Rotterdam
100 bgs, Levy & Lewis Co, Alwaki, Rotterdam
POTATO DEXTRIN—100 bgs, Morningstar Nicol, Noordam, Rotterdam
400 bgs, Bankers Trust Co, Alwaki, Rotterdam
PYRETHRUM FLOWERS—105 bls, McLaughlin-Gormley & King, Robin Tuxford, Mombasa
651 bls, U S Industrial Chemical Corp, Robin Tuxford, Mombasa
22 bls, U S Industrial Chemical Corp, Robin Tuxford, Dar es Salaam
PYRITES—245 cks, American Metal Co, Villa Do Porto, Oporto
QUEBRACHO EXTRACT—3,886 bgs, International Products Corp, Wideawake, Buenos Aires
QUICKSILVER—200 flasks, Chase National Bank, Agwimonte, Tampico
RESIN, SYNTHETIC—1 pkg, Dr Kurt Vogt, American Jurist, Amsterdam
477 bgs, H Muehlstem Co, American Packer, London
1 cs, Advance Solvents & Chemical Co, American Jurist, Antwerp
2 pkgs, Dr Kurt Vogt, American Jurist, Amsterdam
RHUBARB ROOT—24 cs, Max Van Pels, Anna Maersk, Hong Kong
16 bgs, S B Penick & Co, President Jefferson, Bombay
SANDALWOOD OIL—9 cs, Volkart Bros, Hoegh Silverwave, Bombay
SASSAFRAS OIL—25 dms, Ungerer & Co, Anna Maersk, Keelung
10 dms, George Lueders Co, Anna Maersk, Keelung

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990 bgs, Mac Lac Co, Steel Designer, Bangkok
136 bgs, Mac Lac Co. Steel Designer, Bangkok
138 bgs, United Shellac Co, Steel Designer, Bangkok
441 bgs, Steel Designer, Bangkok
400 bgs, Suhr & Budelman Co, Steel Designer, Bangkok
404 bgs, East Asiatic Co, Steel Designer, Bangkok
350 bgs, Mac Lac Co. Steel Chemist, Calcutta
200 bgs, Haeuser Shellac Co, Steel Chemist, Calcutta
750 bgs, Ralli Bros Co, Steel Chemist, Calcutta
100 bgs, Dings & Schuster Co, Steel Chemist, Calcutta

SENNA LEAVES—15 bls, Peek & Velsor, Inc, Excelsior, Tuticorin
56 bls, S B Penick & Co. Excelsior, Tuticorin
150 bls, R J Prentiss Co. Excelsior, Tuticorin

PODS—10 bls, Peek & Velsor, Inc, Excelsior, Tuticorin

SESAME SEED OIL—25 dms, Welchome, Holme & Clark, Inger Skov, El Salvador

SHARK LIVER OIL—15 dms, Frazar & Co, Robin Tuxford, Capetown
8 dms, Collett, Week & Nibecker Co, Anna Maersk, Keelung

SHEEP GALL—2 bbls, Bank New South Wales, Kaipara, Brisbane
1 cs, Bank New South Wales, Kaipara, Brisbane

SHELLAC—70 bgs, Mac Lac Co, Steel Designer, Bangkok
123 bgs, J H Schroder Co, Steel Designer, Bangkok
145 bgs, Colony Import & Export Corp, Steel Designer, Bangkok
719 bgs, Steel Designer, Bangkok
10 cs, East Asiatic Co, Steel Designer, Bangkok
14 bgs, F H Paul & Stein Bros, American Reporter, Hamburg
300 bgs, Gilespie-Rogers-Pyatt Co, Steel Chemist, Calcutta
100 bgs, Ralli Bros Co, Steel Chemist, Calcutta
100 bgs, Mac Lac Co, Steel Chemist, Calcutta
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100 bgs, Mantrose Corp, Steel Chemist, Calcutta
100 bgs, William Diehl & Co, Steel Chemist, Calcutta
SHELLAC—100 bgs, United Shellac Co, Steel Chemist, Calcutta
200 bgs, Suhr & Budelman, Steel Chemist, Calcutta

SODIUM CARBONATE MONOHYDRATE—300 bgs, Parthia, Liverpool
DITHIONATE—1 cs, Amend Drug & Chemical Co, American Packer, London

SULFONATE SOLUTION—66 carboys, American Sulfa Corp, Stavangerfjord, Oslo

SUMAC LEAVES—105 bls, Bank of New York, Excelsior, Palermo

TANNIC ACID—40 dms, American Express Co, Eucadia, Glasgow

TAPIOCA FLOUR—250 bgs, Stein, Hall & Co, Steel Designer, Tandjong Priok
3,000 bgs, Morningstar Nicol, Eidanger, Santos
2,675 bgs, Balfour, Guthrie & Co, Fernhill, Batavia
380 bgs, Stein, Hall & Co, Fernhill, Batavia
3,000 bgs, Morningstar Nicol, Mormactide, Santos

TARTARIC ACID—200 kgs, Nylos Trading Co, President Jefferson, Genoa

TEA WASTE—700 bgs, Maywood Chemical Works, President Jefferson, Colombo

TONCA BEANS—9 cks, Royal Bank of Canada, Wideawake, Port of Spain

UREA—1 bg, United Sterling Co, American Jurist, Rotterdam
2,014 bgs, Philipp Bros, Parthia, Liverpool
1,000 bgs, Imperial Chemical Industries, Parthia, Liverpool
3,000 bgs, Parthia, Liverpool

VANILLA BEANS—25 cs, Parthia, Liverpool
22 cs, Camax Co, President Jefferson, Marseilles
166 cs, Otto Gerdau Co, President Jefferson, Marseilles
25 cs, Guaranty Trust Co, President Jefferson, Marseilles
13 cs, Thurston & Braidich Co, President Jefferson, Marseilles
77 cs, George Uhe & Co, President Jefferson, Marseilles
24 cs, Thurston & Braidich Co, President Jefferson, Marseilles
143 cs, J Henry Schroder Corp, President Jefferson, Marseilles
21 cs, George Uhe & Co, President Jefferson, Marseilles

WATTLE BARK—1,121 bls, American Dyewood Co, Clan Allan, Durban
EXTRACT—544 bgs, Olson Sales Agency, Robin Tuxford, Mombasa

WHITING—2,021 bgs, Pleuss Staufer North American Inc, Alwaki, Antwerp

WOLFRAM ORE—510 bgs, Overseas Metal & Ore Corp, Steel Designer, Bangkok

WOOL GREASE—109 dms, Union Bank of Australia, Kaipara, Sydney
80 dms, Hummel Chemical Co, Alwaki, Antwerp
150 dms, N I Malmstrom, American Scout, Manchester

ZEDOARY ROOT — 20 bgs, Peek & Velsor, Inc, Excelsior, Bombay

ZINC OXIDE—200 bgs, Agwimonte, Vera Cruz

ZINC POWDER—70 dms, F W Berk & Co, American Packer, London

Baltimore

MANGANESE ORE—2,258 tons, Frank Samuels Co, Steel Chemist, Calcutta
2,500 tons, Phillip Bros Co. Hoegh Silverwave, Bombay

MUSTARD SEED—678 bgs, S K Adams Co, Muncaster Castle, Taku Bar
300 bgs, W G Scarlett & Co, American Packer, London

OSSEINE—423 bgs, American Agricultural Chemical Co, Alwaki, Antwerp

PEATMOSS — 1,600 bls, Marine Midland Bank, Alwaki, Rotterdam

—Continued on page 74

Philippine Imports In October Reported

Import figures on American and foreign chemicals entering the port of Manila, Philippines, during the month of October have been compiled by C. E. Mauchenheim, spokesman for Robot Statistics, New York.

According to the compilation, competition has been noted for some commodities, notably in the case of ammonium phosphate from Canada and paraffins and other waxes from India. A substantial increase in imports into the Philippines was noted in October, particularly in regard to fertilizers, which increased from twenty-eight metric tons in September to 140 tons in October; insecticides, of which sixty-three metric tons were imported in October against thirty-seven tons in the previous month; rosin, which increased from fifty-nine metric tons in September to 236 tons in October, and tallow, of which 274 metric tons were imported in October as compared with eighty tons in September.

Statistics on imports during October from the United States and from other countries are as follows, in kilograms:—

	From United States	From other countries
Ammonium phosphate	66	414,037 Canada
Fertilizers	139,742	.....
Insecticides	63,477	1,812 Hong Kong
Aluminum sulphate	202,175	.....
Borax	75,407	.....
Calcium carbide	218,281	6,306 Japan
Caustic soda	583,327	.....
Rosin, gum	236,001	8,326 Hong Kong
Soda ash	41,231	.....
Sodium bicarbonate	22,952	.....
Nitrate	36,560	.....
Silicate	196,629	.....
Tallow	273,776	.....
Paints, oil	8,993	635 Hong Kong
Stain dye	23,578	46,308 Italy 4,570 Belgium 19,500 France 5,300 Spain
Paints and enamels, n.o.s	736,710	78,062 Hong Kong 17,917 Britain
Putty fillers	21,228	.....
Varnish	31,348	3,086 Hong Kong
Thinners	46,785	.....
Petroleum Products		
Asphalt	3,230,332	.....
Brake fluid	33,284	.....
Creosote	23,905	.....
Gasoline	.....	29,330,857 Dutch East Ind., Pers., Gulf, others
Petrolatum	111,224	.....
Wax, semirefined	30,750	.....
Wax, nos	2,079	127,000 India
Paraffin	149,207	269,203 India
Lubricating oils	1,653,523	.....

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Botanical Drugs, Spices, Gums

That dullness which is common in business as the inventory period draws nearer in most years has appeared in the market for botanical drugs. It has also been revealed in a lesser degree in the flavoring materials division of the botanical market, but both sections experienced a slackening of demand for prompt deliveries and where business was good, it was mainly in botanicals to arrive here after the turn of the year and trade most often for January or later billing. The market index held at 190.7, which figure compared with 199.4, developed a year ago when the index fell 0.4 point.

Pepper was lower in price most of the time and the fact that the new export tax in India was believed to add about 12c. per pound to the actual price of pepper in India seemed to have played some part in the reductions noted last week; previous estimates had suggested that the full 30 percent ad valorem tax would be applied. Among other condimental items undergoing market development were cloves and lively business was done at slightly higher prices in Zanzibar. Marked strength still governed cassia, mace, and nutmegs—most of which sold higher. Scarcity governed in Dalmatian sage and French marjoram. Celery seed and turmeric root were lower on spot.

Offerings of mandrake root at country prices attracted no buyers. Nor were the ample offerings of blood and pink roots productive of new business. Rhubarb had its share of the strength that ruled practically all articles of Chinese origin. Bids for gentian root to come forward were rejected abroad; indeed, further orders at the price last paid could not be placed with shippers. Ergot was in tight spot position but informed quarters on spot felt that, with the medical profession turning to extracted alkaloids to replace galenical preparations of ergot, an impetus to would be given to the production of synthetic and natural substitutes.

Balsams

Fir—Although demand was sluggish throughout the past week, sellers of both Oregon and Canada balsam fir maintained prices steadily and showed no disposition toward shading under competition.

Tolu—The market continued to display a renewal of strength that, in the previous week, brought spot quotations to the basis of $2 to $2.10 per pound. Demand remained routine.

Barks

Cottonroot—Information in local circles was to the effect that use of this bark has decreased substantially until at the present time consumption is readily supplied. The item seems not to be collected every year but when dealers' stocks require, primary market collectors make special requests to the gatherers.

Sassafras—Some gain in inquiries has arisen from middlewestern areas, possibly in anticipation of the sharp rise in consumption confidently expected to come in the Spring. The quality of bark available this year was said to be an improvement over that sold in the Spring of 1949. Prices were firm last week.

Beans

Vanilla—All holders were reserved in their offerings. Unsold stocks on the spot were moderate in size and none was likely to be quoted except at prices which were subject to confirmation. Primary market positions were strong and likely to remain so during the coming year if for no other reason than the virtual certainty of much smaller crops to come on the markets in 1950. The tendency of local quotations tended toward further advance and achievement of higher levels will hinge on the volume of consuming necessity and what has to be paid for the next crop of beans.

Berries

Hawthorn—Stability ruled local quotations in the absence of an expansion in consuming requirements. Replacement prices paid this year argued in favor of the absence of local shading of quotations, it was said.

Juniper—Demand reaching regular botanical dealers was said to be inconsequential. The market continued dull in undertone, inactive in demand, and not overly steady in the matter of prices. Foreign quotations were said to be reasonably favorable.

Flowers

Chamomile—Day-to-day demand brought only a moderate volume of trade and it appeared as though the market would remain relatively quiet over the balance of the year. Prices were generally on the firm side on material from whatever source.

Clover—Signs of a tightening of the market could be found locally if searched for diligently. It seemed clear that no surplus of supply existed on the spot and that prices had a tendency to stiffen even though immediate buying interest was light.

Gums

Benzoin—The market had a tendency to strengthen. Recent cables from the origin showed a disposition to raise shipment prices and certainly to develop resistence to bids often made by local importers when they received offerings.

Mastic—A very slow market was reported and although open quotations were unchanged, they seemed to be subject to some tendency toward price shading because of the very low volume of transactions over the past several months.

Myrrh—Seasonal demand was moderately active last week and the market prices showed a tendency toward a firmer spot position. Stocks in hand at the moment were of fair size.

Herbs and Leaves

Belladonna—Immediate demand was not very lively but the outlook was good for the absorption of supplies currently available at better than steady spot quotations. European sources have not made much progress toward the recovery of a trade that in prewar times had been exclusively theirs.

Horehound—Absence of the normal spot reserves plus the cost of further sup-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

None

Other Articles

Anise, Mexican, ¼c. per lb.
Cassia, Canton rolls, select, ½c. per lb.
Honan rolls, unscraped, ½c. per lb.
broken, ½c. per lb.
Yunnan rolls, unscraped, ½c. per lb.
broken, ½c. per lb.
Saigon, broken, 1c. per lb.
medium, 1c. per lb.
thin, 2c. per lb.
Clove, Zanzibar, futures, ¼c. per lb.
Mace, Siauw, 3c. per lb.
West Indian, 3c. per lb.
Nutmegs, E.I., 2c. per lb.
W.I., 1½c. per lb.
Poppy seed, Polish, ½c. per lb.

Prices Reduced

Drugs

Ginger root, African, 1c. per lb.

Other Articles

Celery seed, French, ½c. per lb.
Indian, ½c. per lb.
Coriander, Moroccan, ½c. per lb.
Dillseed, dewhiskered, ½c. per lb.
Laurel leaves, Portuguese, 1c. per lb.
Yugoslavia, ½c. per lb.
Marjoram, French, 2c. per lb.
Mustard seed, Montana brown, ¼c. per lb.
Pepper, black, spot, 8c. per lb.
December arrival, 8c. per lb.
Dec.-Jan. shipment, 9c. per lb.
Savory, Spanish, 2c. per lb.
Turmeric, Jamaica, ½c. per lb.
Madras, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
190.7	190.7	185.0	199.4

(*For Current Prices see Page 9*)

Imports Detained by FDA

Week Ended November 25

New York

Almonds, bitter, 100 bales: poisonous substance. Hydrocyanic acid present.
Apricot kernels, 425 bags: poisonous substance. Hydrocyanic acid present.
Cassia, 750 bales: filthy.
Celery seed, 608 bags: filthy.
Cinchona bark, 564 bags: deficient in alkaloids.
Cod oil, 445 drums: decomposed.
Coriander seed, 375 bags: filthy.
Henbane, 79 bales: not USP.
Nutmegs, 250 bags: filthy.
Pepper, black, 1,885 bags: filthy.
red, 400 bags: filthy and stones added.
Thyme leaves, 202 bags: spurious.
Zedoary root, 20 bags: filthy.

Baltimore

Caraway seed, 100 bags: filthy.
Cloves, 250 bags: filthy.
Poppyseed, 500 bags: filthy.

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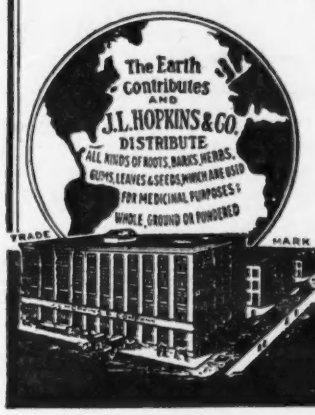

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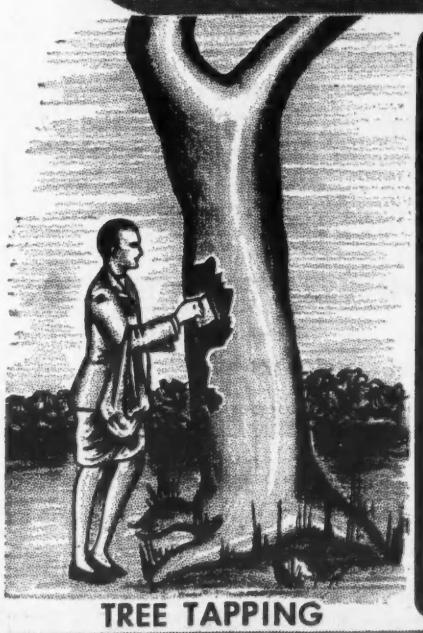

TREE TAPPING

GUMS:
GUM ARABIC
GUM ARABIC (Bleached)
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
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plies at European points have combined to turn spot quotations into a stronger position. Though not advanced further last week, prices were said to be due for higher levels if demand be no better than normal in volume this season.

Lobelia—Strong and scarce was the situation reported for this material in whatever form. Undercollection prevailed in the domestic primary market despite the substantial rise that took place in buying prices when collectors strove to stimulate gatherers into greater activity. The attempt was not broadly productive of satisfactory results, it was said.

Laurel—Portuguese and Yugoslavian leaves were fractionally lower at 11c. to 11½c. per pound under a depression in demand for prompt delivery parcels. Competition was much more apparent.

Marjoram—Though not actually much easier, the market was quoted closer to actuality when sellers named it at 48c. to 50c. per pound for the French material. The local stocks were comparatively small. Shipment quotations were well maintained. Most factors said Chilean goods were unobtainable on spot but one quarter did suggest 45c. as a going price for the item.

Sage—Dalmatian sage was virtually unobtainable on spot, and the quotation of 58c. per pound appeared to be purely nominal. Not many importers were in receipt of firm offerings from the replacement source.

Savory—Spanish material was lower at 12c. to 12½c. per pound on a renewal of more adequate quantities of spot goods. French material remained at 14c. to 15c.

Thyme—French shippers rejected bids cabled from this market last week; they stood aloof, being confident that supply and demand would support current prices abroad and might even support slightly higher levels, come the turn of the year.

Miscellaneous

Ergot—A well-informed factor in the importation and marketing of ergot had this to say with respect to the general situation, both as to use and prices:—

"The doctor is prescribing preparations containing only the alkaloids of this formerly very important drug, and the use of crude material is therefore restricted to very narrow manufacturing uses. The revision committee of the USP, in weighing today's employment of the drug in the general practice of medicine, reached the conclusion that the isolated chemical principles were more desirable than galenical preparations of ergot. Ergot has been withdrawn from the USP, and is official only in the National Formulary.

"Under existing conditions it is possible for manufacturers to provide themselves with both raw material and finished product well in advance of need. This is fortunate under the present shortage of supplies, since advices show there was only a small crop during the past season, and not enough carryover to meet normal demand.

"Marketwise, prices reflecting producing conditions have advanced nearly 300 percent from approximately $1.25 per pound to the high level of $3.50. Such an extreme fluctuation will act as a further deterrent on the consumption of the material, thus giving further impetus to the development of synthetic and natural substitutes."

Roots

Alkanet—A ton of this article was bought last week at 35c. per pound. As high as 58c. was quoted when the business was in the inquiry stage.

Blood—The article was in superior supply and in inferior demand. Those who still use the root seemed well stocked, but their numbers have been decreasing during the past two years, and at the present time the article seemed in a position definitely favorable to buyers.

Burdock—Two dealers reported the reappearance of inquiry for this root, but to a late hour sales had not resulted. The market was not overstocked, and prices displayed complete stability.

Dandelion—Requirements of consumers for some time past had been at comparatively low volume, and, although sales in one quarter were said to have undergone a slight rise during the past week, on the whole consumers' needs seemed covered by fair inventories.

Gentian—Recent purchases of goods in the primary market could not be repeated at the same price that had been previously paid. Shippers took a firmer view on the root and failed to press offerings vigorously to the spot.

Goldenseal—The article was in very good supply among sellers whose main business is that of selling furs. So far as local dealers were concerned, unsold stocks were conservative in size but so far as trade last week was concerned they

were ample. Excellent progress in cultivating the root in Arkansas was recently reported from that state. At many other points, disease has all but ended the growing of this root.

Helonias—The market was very firm. Though demand was still occasional, sellers' price views gave clear confirmation of the absence of normal competition in the material. Revival of substantial trading will find the market tending stronger.

Mandrake—Several country holders of moderately sized quantities offered to this market last week but prices asked appeared to be in excess of what consumers would pay. However, sales for deliveries during the balance of this year were expected to be small if for no reason other than inventory considerations. Those with unsold stocks look for a rising market next Spring.

Rhubarb—Unsold stocks were comparatively low and replacement of supplies was difficult to do at the source with any certainty of prompt despatch of the root. Doing business in China is a difficult and uncertain affair at the present time.

Turmeric—Haitian root seemed to be no longer available on spot. Some Jamaican root was available and the price was a fraction lower at 10½c. to 11c. per pound. Also, quotations on Madras root at 19½c. to 20c. showed a fractional recession. Some Sangli root was quoted at 22c. without attracting a string of buyers.

Seeds

Anise—Chinese star anise has not undergone the substantial price advances that have come in other products of the former Celestial Kingdom. It was still steady without change at 16c. to 16½c. per pound last week. Mexican seed underwent a fractional advance to 15c. to 15½c.

Cardamom—All prices were firm; all were unchanged; and all appeared to be based on stocks generally believed to be small on spot. Some interest was noted last week in goods to come forward.

Celery—French seed was a fraction lower at 24½c. to 25c. per pound for spot goods last week but prices on goods to arrive were well maintained abroad. Spot Indian seed was also off a fraction to the basis of 20½c. to 21c. per pound.

Cumin—For the first time in several weeks, prices on all varieties of this seed failed to change; the recent downward price trend has been succeeded by a slightly more stable position.

Dill—Dewhiskered seed was under more competition last week and offerings on the basis of 12½c. to 13c. per pound did not find very many buyers. Natural seed was 11½c. to 12c.

Fenugreek—Prices on Indian and Moroccan seed held unchanged. Some Syrian material now afloat was offered at 7½c. to 8c. per pound.

Fennel—Reports last week noted a substantial decrease in the amount of French seed held in several quarters on spot. Indian seed now in India was offered to come forward at 11c. to 11½c.

Spices

Cassia—Canton rolls continued to rise and they ended last week on the basis of 13c. to 14c. per pound. Also, Saigon cassia was higher; all medium went to 37c. to 38c. per pound; all thin, 44c. to 45c.; and broken, 28c. to 29c. Finally unscraped Honan and Yunnan rolls were up to 14½c. to 15c. per pound and the broken form of those materials went to 14c. to 14½c.

Clove—Considerable activity in clove for future delivery took place last week. Several parcels of Zanzibars were sold on the basis of 17½c. per pound, c&f New York. One cabled offering involved 500 bales of the article at 17c. but the quality designation was not revealed. This business was done for the account of local distillers. Spot offerings of Zanzibar futures were made to consumers at 18½c. to 19c., duty paid.

Ginger—African root was off once more without the market being actually weaker or unsettled. The late quotation was 42c. to 43c. per pound. Few lots of Jamaican root were available. Nothing for prompt shipment was available through either London or Jamaica houses. The story may differ when new crop is offered at the turn of the year, it was said.

Mace—Siauw No. 1 was higher at 98c. to 99c. per pound and offerings were usually small. West Indian was also higher and was very firm at 86c. to 87c. per pound.

Nutmeg—West Indian was higher at 29½c. to 30c. per pound, spot, and 28½c. to 29c. for later delivery. East Indian also advanced, spots becoming 42c. to 42½c. per pound, spot or futures.

Pepper — Further information from India, where an export tax was recently set, suggested that the amount of the tax is about 12c. per pound. Some question was noted about the new tax being assessable on contracts for December and January steamers. If it is, and there is real reason to expect that it will be, losses will accrue to shippers who have such forward contracts. A late November shipment has been already defaulted.

The local market was lower. Spot became $1.30 to $1.32 per pound; December arrivals, $1.20 to $1.30; December-January shipment, $1.19 to $1.20; and January-March shipment, $1.15.

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Spice Traders to Meet

The American Spice Trade Association will hold its 1950 annual meeting at the Shawnee Inn, Shawnee-on-Delaware, Pa., on May 21 to 24.

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Essential Oils, Other Aromatics

Trade in the market for essential oils and aromatic chemicals was in recession last week, according to most suppliers of information. Though some said it was holding at fair levels even though there was room for improvement, a decrease in demand for prompt deliveries was admitted to exist but to an extent not greater than the usual decline in volume when inventory reappears once more to beset most merchandizers and consumers of these entities. Advances in spot prices for anise, Ceylon citronella, Messina lemon, ocotea cymbarum, patchouli and wormseed oils were modified by reductions in those on Java citronella, Algerian and Bourbon geranium, distilled lime, and Messina orange oils and the market index dropped 4.4 points to set it at 100.0 in comparison with 101.4 a year ago after an 0.9 point rise.

Far East oils on the whole occupied as strong if not actually stronger positions than had prevailed recently. Anise and cassia still strained toward higher price levels even as stocks here and at the origin sagged materially. Patchouli was another oil rising in price at all points. And the situation went so far as to make for profitable selling of oil distilled here from imported raw material. Citronella oil from both Ceylon and Java were items of strength despite the apparent split in price trend. The drop in Java oil prices was caused by local competition rather than an improvement in its position at the origin.

A long overdue drop in replacement cost of Messina orange oil at last permitted a substantial spot reduction without turning buyers toward that article. And they probably wont turn as long as domestic oils are available in such ample quantities at such low prices. The rise in spot quotes on Messina lemon merely reflected an upping of shipment costs in line with recent strength abroad.

The situation in Algerian and Bourbon oils could scarcely be more mixed. Those who reduced prices declared the market was tight. Most dealers said the origins were still strong and that new crops wont arrive until March or April. One quarter seemed to have taken a market position entirely aloof from that held by the majority of suppliers.

Market Trends

Prices Advanced

Anise oil, 25c. per lb.
Citronella oil, Ceylon, 5c. per lb.
Lemon oil, Messina, 5c. per lb.
Ocotea Cymbarum oil, 22c. per lb.
Patchouli oil, $1 per lb.
Wormseed oil, 15c. per lb.

Prices Reduced

Citronella oil, Java, 10c. per lb.
Geranium oil, Algerian, 75c. per lb.
Bourbon, $1.50 per lb.
Lime oil, distilled, Mexican, 80c. per lb.
West Indian, 40c. per lb.
Orange oil, Messina, 60c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
100.0	104.4	103.0	101.4

(*For Current Prices see Page 9*)

Essential Oils

Abies Siberica — Prices lacked further development, but they were strong in all quarters and were backed by one of the smallest spot stocks of record. All sellers showed reserve—a position dictated mainly by the inability of dealers to restore spot stocks to normality.

Amyris—Complete market and price stability prevailed on spot. Both demand and quotations were well maintained, and signs of a change in that aspect of affairs were lacking. Stocks were available in quantities protecting buyers' needs very well.

Anise—Every comment was one indicative of the strength of prices and the absence of supplies sufficient to cover probable needs into a reasonably nearby future. Spot quotations were higher at $1.20 per pound, and as high as $1.55 was asked in some quarters. Importations were at a standstill, and resumption of normal outmovement from the Hong Kong, China, market was uncertain because of the present political stuation by which the export point is rather well cut off from the producing area now under communist control.

Bay—Movement was routine, and mainly consisted of immediate jobbing requirements of a not large number of buyers. Prices were reported to be generally stable and readily maintained.

Bergamot—Trade seemed to have been reduced to a level about normal for the market as the end of the year comes in sight. Occasionally, dealers did report active or very good business, but the majority found the market productive of little beyond complete price stability on the spot.

Bois de Rose—For the first time in a considerable period of time, prices lacked development at either end of their range; they remained at $2.90 to $3.50 per pound, and appeared to be as strong as they had been recently. Stocks were so limited as to all but totally eliminate any local tendency toward the competitive pricing of spot deliveries. In addition to limited supply, the element of immediate requirements of manufacturing consumers was an active factor in keeping the local position strong, tight and non-competitive in terms of price.

Caraway—Demand was reasonably active along jobbing lines, and the movement contributed much to the local price stability. Stocks were of fair size, and nothing in the replacement market suggested real difficulty in bringing additional supplies here.

Cardamom—The oil remained exceptionally steady at the amazing price range of $54 to $70 per pound, varying all over the lot according to dealer. No two price views were the same.

Cassia—It still proved difficult to the point of virtual impossibility in the matter of replacing stocks with any certainty of shipment being made. Shippers at Hong Kong rarely offered anything and against that there continued to be a steady drainage of spot stocks to a point where most dealers said that continuation of the call could do nothing but force prices still higher. The market ranged $1.90 to $3 per pound but in numerous quarters the market was said more accurately to be quoted at $2.10 or $2.15 as a minimum. The situation in this oil was virtually the same as that in anise.

Celery—Minimum quotations remained at $15 per pound but the top price on the spot market became $18.50 last week and to arrive thereat sellers had to reverse their recent price tendencies when some had considered $20 was fully warranted. Much depends on the shift in selling prices at the origin.

Citronella—Prices on Ceylon oil worked higher at $1.05 to $1.50 per pound. Most reports suggested that the spot market had become easier parallel with a greater availability of oil. It was also said that the import price position had weakened. One direction said that stocks of both Ceylon and Java oil were not substantial. Java material closed the past week at the lower level of $1.65 per pound as minimum. However, majority of dealers wanted at least $1.75. The range continued to $2.20.

Clove—Further quantities of Zanzibar clove were bought to come here at 17½c per pound but it was not certain that such goods would go into distillation on arrival here. For the most part, prices on oil were steady and suggested that a measure of the recent weakness had been succeeded by steadier if not firmer views. Demand showed no new development, being routine.

Dillweed—Dealers expected that consumer demand over the balance of this year would be comparatively light. Deliveries of oil to those who covered needs by means of contracts was said to have created a reserve sufficient to permit their withdrawal from the market for the time being at least. Prices were steady.

Geranium—Some quarters showed a marked reversal of their recent approach to quoting both Algerian and Bourbon oil. The result was that minimum quotations on Algerian oil being lowered to $9.2[illegible] and those on Bourbon to $11 per pound. Such price movement was restricted to a one quarter. The odd fact was that when prices were lowest, the report on supply said it was tight! Other quarters said that new crops wont get here before March or April and nothing was known respecting the probable size of production. Also, that shippers abroad were holding out for high prices. Finally, one informed quarter said that stocks of Bourbon oil at $13 per pound were a little tight but that Algerian oil at $11 was plentiful in that direction. Demand for Bourbon was called "pretty good"; that for Algeria was not better than fair. Rarely has geranium oil from whatever source been so variously reported as it was last week. So far as a majority of dealers were con

For Late Market Developments, See Page 4

cerned, Algerian oil was quoted $11 to $11.50 per pound and Bourbon oil was $13 to $14. This contrasted with the minimum of $9.75 on Algerian and $11 on Bourbon.

Lemon—Prices on Italian oil were raised to a minimum of $2.55 per pound at about midweek. The range was to $5 and depended on quality when it came to the top of quotations. Domestic oil remained unchanged at $2.75 to $3. Several quarters would not take business in Italian oil at under $2.65 or $2.75 per pound. Demand was not more than moderate and often was called spotty.

Lemongrass—Prices developed no further along the road to higher levels but they were uniformly strong and seemed apt so to remain until such time as a material reversal in primary market supply and costs shall arise.

Lime—Mexican distilled oil was lower at $5.25 to $5.75 per pound, the reductions being applied to both ends of the range. West Indian oil was also lower, being $5.75 to $7.50 per pound. Demand was considerably below its peak and volume was about even with seasonal normality. Resumption of more active trading probably won't come until Spring. Supplies were reported to be ample. Expressed oil ranged more widely, being $6.75 to $11.25 according to quality and seller.

Nutmeg—East India nutmegs showed a turn toward stronger position in company with somewhat higher prices. West Indian materials were about steady. Oil from whichever source was in steady price position under a rather moderate demand.

Ocotea Cymbarum—The availability of Japanese camphor oil has turned many

—Continued on page 74

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Electrical—Solvent (U.S. 2348710) in insulating compositions used for covering wire and in making electrical machinery and equipment.

Glass—Solvent (U.S. 2348710) in compositions used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Solvent (U.S. 2348710) in compositions used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Solvent (U. S. 2348-710) in coating compositions used for protecting and decorating metallic articles.

Miscellaneous—Solvent (U.S. 2348710) in coating compositions used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent (U.S. 2348710) in paints, varnishes, lacquers, enamels, and dopes.

Paper—Solvent (U.S. 2348710) in compositions used in the manufacture of coated papers and as protective and decorative coatings for articles made of paper and pulp.

Plastics—Solvent (U.S. 2348710) in making laminated-fiber and molded articles and various plastic materials.

Rubber—Solvent (U.S. 2348710) in compositions used as coatings for decorating and protecting rubber goods.

Stone—Solvent (U.S. 2348710) in compositions used as coatings for decorating and protecting artificial and natural stone.

Textile—Solvent (U.S. 2348710) in compositions used in the manufacture of coated fabrics.

Wood—Solvent (U.S. 2348710) in compositions used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Methylamyl Alcohol

(Methylisobutyl Carbinol)

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Ceramic—Plasticizer in compositions used as coatings for protecting and decorating ceramic articles.

Chemical—Raw material for making synthetic detergents, lubricating oil additives, plasticizers, xanthates.

Electrical—Plasticizer in insulating compositions used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer in compositions used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions used for protecting and decorating metallic articles.

Mining—Ingredient of ore-flotation liquids (in conjunction with other frothing agents said to improve metallurgical yields and to render recovery from low-grade ores by flotation processes more economical).

Miscellaneous—Plasticizer in coating compositions used for protecting and decorating various kinds of articles.

Solvent in cleaning compounds, brake fluids.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes.

Solvent claimed to contribute to better surface coatings of industrial finishes by improving diluent tolerance, viscosity characteristics, blush resistance, and film flow.

Paper—Plasticizer in compositions used in the manufacture of coated paper and as protective and decorative coatings for articles made of paper and pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles and various plastic materials.

Resins—Improver in synthetic baking finishes of the phenolic, alkyd, or urea-melamine type (said to yield solutions of low viscosity, promote flow-out, and prevent bubbling during baking operations).

Solvent in synthetic baking finishes.

Rubber—Plasticizer in compositions used as coatings for decorating and protecting rubber goods.

Stone—Plasticizer in compositions used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer in compositions used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

Orthoaminophenylbutyl Sulphide

Lubricant—Ingredient (U.S. 2134432, 2134433, 2134435, and 2134436) of lubricants for bearing surfaces, especially cadmium or copper alloys, of internal-combustion engines.

Pentamethylene Di-isocyanate

Chemical—Starting point (Brit. 521116) in making water-repellents for textiles, paper, leather, furs, and the like by reacting with cetyl, octyl, or dodecyl alcohol, and the like, naphthenic alcohols, cholesterol, and the like (the repellents are said to impart resistance also to organic solvents and soap solutions).

Phenylbetanaphthylamine

Chemical—Suggested for use as antioxidant, polymerization inhibitor, stabilizing agent and in syntheses of organic compounds of the nature of dyes, explosives, plastics, and photographic, drug, and soap materials.

Sebacic Acid Diazide

Chemical—Starting point (Brit. 521116) in making water-repellents for textiles, paper, leather, furs, and the like by reacting with secondary tetradecylphenol, or paraoctadecylanilin (the repellents are said to impart resistance also to organic solvents and soap solutions.

Sodium Phosphite, Monobasic, Anhydrous

Chemical—Suggested for use as humectant and mild reducing agent.

Miscellaneous—Suggested for use as humectant in various operations.

Soap—Suggested for use in detergent preparations.

Sorbide

(Dianhydrosorbitol)

Chemical—Conditioning agent in chemical products and processes.

Cosmetic—Conditioning agent in creams and other cosmetics.

Miscellaneous—Conditioning agent in various products and processes.

Pharmaceutical—Conditioning agent in compounding and dispensing practice.

Sorbitan Monopalmitate

Cosmetic—Emulsifying agent in creams, hairsetting preparations, lipsticks, pencils.

Fats, Oils, and Waxes—Emulsifying agent in making preparations of natural or synthetic waxes.

Leather—Emulsifying agent in making dressing, finishing, and waterproofing compositions.

Miscellaneous—Emulsifying agent in making polishes and greasing and waterproofing compositions.

Paint, Varnish, and Lacquer—Emulsifying agent in making waterproofing compositions.

Paper—Emulsifying agent in making compositions for sizing or water-proofing paper and pulp compositions and paperboard and articles made of pulp or paper, and in waxing compositions.

Textile—Emulsifying agent in making coating, sizing, waterproofing, and waxing compositions.

Teaseed Oilcake

(This cake contains a saponin and is unfit for animal feeding; as a fertilizer it has only a low value on account of its small content of potash, nitrogen, and phosphorus.)

Pesticide—Ingredient of worm-killer preparations.

Protective Coatings Materials

Dry color makers last week brought their schedules into line with lower pig lead costs, cutting chrome pigments and molybdate orange. These moves produced a further falling off in the index for coatings materials, the figure dropping another 3.3 points to a new reading of 196.4. Also during the period there were declines in imported casein and orange shellac along with an announcement of an increase in chemically-isolated soybean protein as of December 8.

Reflecting recent weakening in the price of metallic lead, spot and contract quotations on orange and yellow chromes were downed 1¾ cents per pound. At the same time, molybdate orange and CP grades of chrome green were each lowered one cent, while reduced greens received one-quarter-cent decreases. Zinc yellow listings remained unchanged.

Orange shellac brought less on the New York market during period. Lemon No. 1 and lemon No. 2 were each off 2 cents per pound. Superfine and TN lacs slipped one cent apiece. Bleached grades held their ground at recently-depressed levels. Trading was better in natural resins, but, because of the unsettled state of the market, quotations were still unavailable for publication.

Imported casein lost one-half cent per pound in New York. Domestic grades were maintained at previous price levels. There was little interest in Argentine material, but dealers looked for a revival of buying by American mills within the next few weeks. Bone glue, whose production was still running short of demand, held firm. Hide glue was similarly steady, though in lesser call.

Chemically-isolated soybean protein will go up one-half cent on December 8, the result of recent increases in soybean meal and flake.

Market Trends

Prices Advanced

Rosin, gum, Savannah, WG, 3c. per 100 lbs.
WW, X, 4c. per 100 lbs.

Prices Reduced

Casein, imp., acid-precip., ½c. per lb.
Green, chrome, CP, 1c. per lb.
reduced, ¼c. per lb.
Orange, chrome, CP, 1¾c. per lb.
Molybdate, 1c. per lb.
Rosin, gum, New York, B, D, WW, X, 15c. per 100 lbs.
E, F, G, H, I, K, M, N, 20c. per 100 lbs.
Savannah, F, G, H, I, 9c. per 100 lbs.
K, M, N, 3c. per 100 lbs.
Shellac, lemon, No. 1, 2c. per lb.
No. 2, 2c. per lb.
Superfine, 1c. per lb.
TN, 1c. per lb.
Yellow, chrome, CP, 1¾c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
196.4	199.7	201.7	224.3

(*For Current Prices see Page 9*)

Prime Pigments

Antimony Oxide—Demand for both ceramic and paint grades continued sluggish in the main during the past week. Supplies were plentiful all around. In addition to domestic offerings, sizable quantities of English material were also reported afloat on the market. Prices were steady all along the line at 27c., carload, and 28c. per pound, l.c.l., for both ceramic and paint types.

Blue, Peacock—September production aggregated 244,240 pounds, the United States Tariff Commission reported. This compares with the 243,454 pounds turned out in August.

Earth Colors—Demand continued reasonably good during the period for both natural and processed materials. Stocks were readily available to all buyers. Synthetic and natural iron oxides were similarly in good supply. Call for these materials was steady. Prices were firm all around. Imported during the period were 5 casks of earth colors from Amsterdam and 218 bags of iron oxide from the same port of call.

Green, Chrome—Lowerings on spot and contract were effected throughout the market last week on CP and reduced grades. The action was attributed to recent declines in the price of metallic lead. CP material was cut 1c. per pound all along the line, establishing a new market range of 36c. to 46¾c. per pound. Reduced greens were shaved ¼c. all around, making the new listing 12¾c. to 28¾c. per pound. Demand remained excellent. Stocks continued at previously good levels.

Lead, Metallic Paste—Sellers expected imminent reductions in schedules on this pigment material last week. However, as of press time, quotations remained unchanged, holding at 28c. to 29½c. per pound, depending upon quantity.

Lead Pigments—The metal stood its ground last week, pigs holding at 12c., New York, and 11.80c. per pound, East St. Louis basis. Listings on lead oxides and white lead pigments, as a consequence, were similarly steady at recently-depressed levels. Consuming inquiry was reported to be holding up quite well for all types of pigments. However, with the onset of the Winter lull in painting operations, it was expected that demand would let up shortly. Supplies were in ready availability in all areas.

Lithopone — Quotations were maintained last week, ordinary continuing at 6¼c. to 6⅝c. per pound and titanated remaining at 8¼c. to 8½c. Call was good. Stocks were ample.

Orange, Chrome—Reflecting lower costs of pig lead, spot and contract quotations on this pigment material were downed 1¾c. per pound during the past week. The new market price is 30¼c. per pound. Buying interest was good, as were supply levels.

Orange, Molybdate—Contract and spot listings were cut 1c. per pound last week, the action stemming from recent metallic lead weakening. As a result of the week's price move, the new going market quotation is 43c. per pound. Consumer inquiry remained active. The supply position was without variance, offerings continuing in ready availability.

Yellow, Chrome—The price of CP material was dropped 1¾c. per pound on spot and contract last week, falling to 30¼c. per pound. The move was attributed to lower metallic lead costs. Demand was active. Stocks were good.

Yellow, Zinc—Prices were maintained at 23½c. per pound last week, notwithstanding decreases for other dry colors during the period. Call was good. Supplies were ample all around.

Zinc Oxide—A split price on 35 percent and 50 percent leaded grades prevailed in last week's market, one manufacturer holding to previous quotations because of continued strike conditions at that company's plants. However, this seller pointed out that the concern would probably go along with recent reductions when it had material to offer. Imports during the period totaled 200 bags of zinc oxide from Vera Cruz.

Fillers and Extenders

Calcium Carbonate—Importations durin the period totaled 2,021 bags of whiting from Antwerp. The market was otherwise without feature, supply continuing good and prices holding firm.

Kyanite—Arrivals last week were reported at 2 bags and 75 tons of kyanite ore from Mombassa and Calcutta, respectively.

Mica—Imported during the past seven days were 487 cases of mica from Rio de Janeiro and London. The market position was unchanged. Supplies were said to be ample for all current requirements, although there was no surplus. Demand was reported to be holding its own. Quotations were maintained.

Natural Resins

Call continued to improve slightly during the period. Most sales were on a private basis and few open market quotations were available for publication. However, dealers in New York looked for steadying prices at lower levels within the next two to three weeks. Importations totaled 334 bags and 131 baskets of copal gum from Macassar and Antwerp and 165 cases of dammar from Batavia and Bangkok.

Shellac—Orange grades dropped 1c. to 2c. per pound in New York last week. Calcutta was steady for the most part, due primarily to the lack of bids by American importers. Although there was some devalued shellac afloat on the market here, sizable arrivals of the lower-priced material were not expected for another two weeks. Buying in this country was described as fair, although somewhat inclined to spottiness. Lemon lacs were still short of requirements. Other orange grades were easing. The week's price moves included 2c. reductions in lemon No. 1 and lemon No. 2, and 1c. cuts in superfine and TN shellac. Importations totaled 4,743 bags of seedlac from Calcutta and Bangkok, 30 cases and 2,305 bags of shellac from Calcutta, Bangkok and Hamburg. Following are current orange quotations:—Lemon No. 1, 56c. to 57c.; lemon

For Late Market Developments, See Page 4

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CLEVELAND, O.	Ohio Solvents & Chemicals Co.	3520 W. 140 Street
DETROIT, MICH.	Western Solvents & Chemicals Co.	6472 Selkirk Avenue
GRAND RAPIDS, MICH.	Wolverine Solvents & Chemicals Co.	1500 Century Avenue
HOUSTON, TEXAS	Texas Solvents & Chemicals Co.	8501 Market Street
INDIANAPOLIS, IND.	Hoosier Solvents & Chemicals Co.	1650 Loutt Avenue
LOS ANGELES, CAL.	Griffin Chemical Co.	555 South Flower Street
LYNDHURST, N. J.	Stoney-Mueller, Inc.	Page & Newark Avenues
MILWAUKEE, WISC.	Wisconsin Solvents & Chemicals Co.	1719 S. 83rd Street
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BOSTON Mulcahy & Griffin	DETROIT C. W. Hess Co.	MONTREAL, CAN. Wm. J. Michaud Co., Ltd.	ST. LOUIS Harry G. Knapp
BUFFALO Wetherbee Chemical Co.	HOUSTON Joe Coulson Co.	NEW ORLEANS C. N. Sutton	SAN FRANCISCO E. M. Walls
CHICAGO Philip E. Cole Co.	KANSAS CITY John T. Kennedy Sales Co.	PHILADELPHIA Loos & Dilworth, Inc.	SEATTLE Carl F. Miller & Co.
CINCINNATI Decks & Sprinkel	LOS ANGELES E. B. Taylor Co.	PITTSBURGH Jos. A. Burns	TORONTO, CAN. A. B. Paterson

No. 2, 54c. to 55c.; superfine, 52c. to 53c., and TN, 49c. to 50c. per pound.

Lacquer Materials

Dibutyl Phthalate—The United States Tariff Commission reported September production at 909,054 pounds. Conditions in this section last week, meanwhile, were relatively unchanged. Demand continued good. The supply position remained excellent. Prices were unchanged at 29c. to 31½c. per pound.

Tricresyl Phosphate—Output during the month of September totaled 1,140,427 pounds, according to the United States Tariff Commission. This represents a rise of nearly 28 percent over the 892,406 pounds turned out during the preceding month. The market was without feature. Coaltar was still short, but stocks were expected to improve shortly. Prices held firm.

Miscellaneous Materials

Asbestos—Arrivals during the period totaled 17,575 bags of asbestos fiber from Fremantle, Lourenco Marques and Capetown.

Casein—Imported lost ½c. per pound in New York last week, falling to a market range of 18¾c. to 19c. Domestic grades held steady at 23c. to 23½c. for standard and 23c. to 24c. per pound for premium. There was little interest in Argentine casein during the week, but most dealers looked for a revival of American buying within the next few weeks. Imports totaled 813 bags of French casein from Havre.

Commodity Credit Corporation for the week ended November 25 totaled 3,535,530 pounds of spray process skimmed milk powder and 1,861,257 of roller process. Government purchases of milk powder this year to date have aggregated 399,774,196 pounds, compared with 126,539,348 pounds bought during the corresponding period in 1948.

Glue—Bone grades continued firm. Demand was still said to be outrunning current production. Hide glues were similarly steady, though under lesser demand. Imports totaled 13 bags and 1 package of bones, 2,377 bags of crushed bones, 2 bales of gluestock and 423 bags of ossein from Antwerp, Vera Cruz, Brisbane, Santos and Rio de Janeiro.

Soybean Protein—Chemically-isolated material will go up ½c. per pound for all quantities as of December 8. The increase was attributed to recent lowerings in crude extracted degummed soybean oil, which have resulted in higher meal and flake prices.

Naval Stores

The record of the gum naval stores markets over the week ended December 2 was as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$5.75	$5.75	$5.75	$5.75	$5.75	$7.10 $7.85
D	6.00	6.00	6.00	6.00	6.00	7.10 7.85
E	6.31	6.31	6.31	6.31	6.31	7.35 8.10
F	6.49	6.45	6.45	6.45	6.45	7.35 8.10
G	6.49	6.45	6.45	6.45	6.45	7.35 8.10
H	6.49	6.45	6.45	6.45	6.45	7.35 8.10
I	6.49	6.45	6.45	6.45	6.45	7.35 8.10
K	6.49	6.45	6.46	6.46	6.46	7.35 8.10
M	6.49	6.45	6.46	6.46	6.46	7.35 8.10
N	6.49	6.45	6.46	6.46	6.46	7.35 8.10
WG	6.65	6.58	6.66	6.66	6.66	7.55 8.30
WW	6.93	6.93	6.96	6.96	6.96	7.65 8.40
X	6.93	6.93	6.96	6.96	6.96	7.65 8.40
	Drums					
Sales	587	700	400	15	.	
Receipts	326	252	345	133	86	
Shipments			4	114		
Stocks	33,079	33,331	33,672	*32,661	32,089	

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal	.39	.39	.39	.39	.39	.47½ .56
Sales, bbls.	160	...	...	...	...	
Receipts, bbls.	496	143	109	147	121	
Shipments, bbls.	103	...	225	1,586	51	
Stocks, bbls.	12,453	12,596	12,482	*9,879	9,939	

* By actual count.

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended November 26 averaged $20.32 per standard barrel of 435 pounds for gum purchased outright and $20.40 for gum processed for the Commodity Credit Corporation, according to the Department of Agriculture. The weighted average price paid for all gum was $20.34 per barrel as compared with $20.32 for the previous week.

The 25 reporting plants received 23,243 standard barrels of commercial gum and 7,320 barrels of loan gum, a total of 30,563 barrels, or 1,223 barrels per plant as compared with 1,268 barrels at the same plants a week ago.

The estimated turpentine contents of the gum were 8.58 gallons for loan gum, 8.56 gallons for commercial gum, or an average of 8.56 gallons. Rosin contents were 296.2 pounds for loan, 295.2 for commercial, or an average of 295.4.

The percent of gum by grades was:—WW, loan 0, commercial 1, average 1; WG, loan 5, commercial 5, average 5; N, loan 37, commercial 34, average 35; M, loan 38, commercial 33, average 34; K and below, loan 20, commercial 27, average 25.

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St. Louis 17, Mo. · Baton Rouge 2, La.
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National Lead Veteran

Charles Simon, treasurer of the National Lead Company, New York, was tendered a luncheon on November 28 in observance of his forty-fifth anniversary with the company. Starting as an office boy in 1904, Mr. Simon progressed through the company's offices until he was named treasurer in 1925. Ten years later he was elected to the board of directors and became a member of the executive committee in 1936.

CDIC Paint Technicians Plan Dinner Dance Jan. 21

The Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club has announced plans for its first dinner dance since 1941. The affair will be held at the Cincinnati Club on January 21, 1950, at 6:30 p.m. Reservations may be made with Walter L. Ziegler, club secretary, at $10 per couple.

Hercules Names L.C. Hall Naval Stores Plant Head

Hercules Powder Company, Wilmington, Del., has appointed L. Coleman Hall manager of its naval stores plant at Hattiesburg, Miss., to succeed Charles A. Lambert, who will retire on December 31. Frank W. Volk succeeds Mr. Hall as plant superintendent, and Lyle W. Rothenberger, formerly technical assistant to Mr. Hall, has been named assistant plant superintendent.

Briner Paint Appoints Two New Vice-Presidents

Briner Paint Manufacturing Company, Corpus Christi, Texas., has been incorporated and has appointed James M. Hammock vice-president for sales and John W. Nee vice-president and technical director. George A. Briner, who founded the company in 1939, continues as president.

Trade Briefs

Valspar Corporation has elected Ferdinand Eberstadt to its board of directors. Mr. Eberstadt is president of F. Eberstadt & Co.

Monsanto Chemical Company's plastics division has published a booklet describing physical characteristics of plasticized and unplasticized emulsions of "Lustrex" styrene latices.

Durez Plastics & Chemicals, Inc., has published a new properties chart for its protective coatings resins, which lists physical properties, viscosities in oil and toluol, solubilities in solvents and other properties.

Monsanto Chemical Company, St. Louis, Mo., has purchased a small plant site at Santa Clara, Calif., and is planning the construction of a plant for the manufacture of synthetic resins and specialty coatings.

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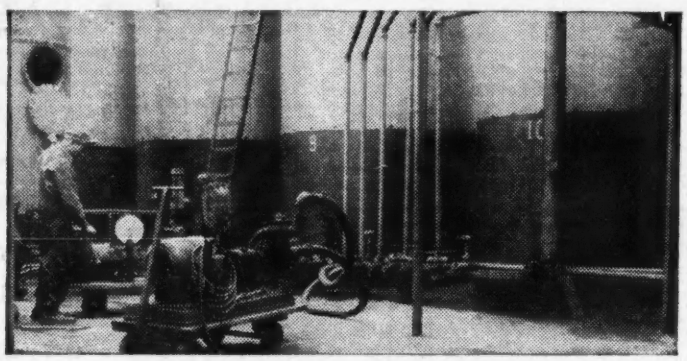

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Current Prices

—Continued from page 33

Zinc sulphide, luminescent pigment, frt. alld	lb.	1.00	- 3.00
Magnesium pigment, bgs., c.l., dlvd	lb.	.06	- —
l.c.l., dlvd	lb.	.08¼	- —
Zinc sulphide and pigment, 5ac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.			
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.		7.00	—
l.c.l., works 100 lbs.		7.40	- —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	2.80
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
l.c.l., same basis	lb.	.1220	.14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.21½	- —
normal, dms., works	lb.	.43	- —
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls. works	lb.	.21¼	- —
Carbonate, basic, cake, bbls., works	lb.	.30½	- —
Hydride, cns., works	lb	7.00	—
Nitrate, dms., works	lb.	1.75	- —
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	- —
lump, electric-fused, bgs., c.l., works	lb.	.44	- —
5 tons, works	lb.	.4½	—
1 ton or less, works	lb.	.45	.48
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb.	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.29½	—
Silicate, granular, bgs., c.l., works	lb.	.03¼	- .03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	bl.	.04¼	- .04¾
milled, bgs., c.l., works	lb.	.04¾	- —
5 tons, works	lb.	.05¼	—
1 ton or less works	lb	.05¾	- .06¾
refined, bgs., c.l., works	lb.	.11	—
works	lb.	.11	- —
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works	lb.	.37½	—
5 tons, works	lb.	.38	—
1 ton or less, works	lb	.38½	.39

FTC Plans to Rehear

—Continued from page 4

therapeutic properties of a device designated "Dila-Therm."

Consolidated Royal Chemical Corporation, Chicago, March 17. Misrepresentation of the therapeutic properties of a medicinal preparation designated "New Pe-Ru-Na."

Proctor & Gamble Company, Cincinnati, January 23. Misrepresentation of a liquid dentifrice designated "Teel."

Carter Products, Inc., New York, January 30. Dissemination of false advertisements concerning the therapeutic properties of "Carter's Little Liver Pills."

Ruberoid Company, New York, January 6. Price discrimination in the sale of roofing and insulating material in violation of the Robinson-Patman act.

Cosmetic Demonstrator Charges

Rearguments on charges of violation of the Robinson-Patman act in connection with the furnishing of cosmetic demonstrators to retailers have been set for the following companies on the indicated dates:

Richard Hudnut, New York, and others, April 3; Elmo, Inc., Philadelphia, April 5; Charles of the Ritz, Inc., New York, and others, April 10; Primrose House, Inc., New York, April 12; Coty, Inc., New York, April 14, and Bourjois, Inc., New York, and others, April 17.

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Oils, Fats and Waxes

Trading in oils and fats last week was centered in soybean oil for government account. Purchases of several hundred tankcars of crude soybean oil were reported during the past ten days. Consuming demand was moderate and spotty. Price index advanced to 109.4, compared with 192.4 at this time last year.

Higher prices were named for peanut oil under a good demand and a marked reduction of peanuts allocated for the crushing of oil which caused quotations to advance fractionally. Corn oil was firmer and slightly higher. Soybean oil was sustained by heavy purchases of crude oil for government account and this buyer was still in the market for additional quantities at slightly lower bids. Cottonseed oil was unsettled but developed a firmer tone late in the week, following improved consuming inquiry.

Sharp decline in copra, affected coconut oil and quotations were cut fractionally for prompt and forward delivery.

Tung oil was further strengthened for nearby delivery by the tight supply condition and sales took place at fractionally higher levels. Other drying oils were unchanged and steady, except linseed oil which was inactive and quotations could have been shaded for tankcar business for January forward delivery.

Tallow and greases were easier and sizable quantities were purchased by soapmakers at fractionally lower prices. The better grades were well held, but lower grades were reported unsettled and in better supply than the former. Small lots buyers continued to pay premiums. Export inquiry slackened and actual business dropped sharply.

Flaxseed stocks totaling 5,964,142 bushels and 1,509,860 bushels have been placed under the 1949 price support program during the July-October period, it was announced by the Department of Agriculture.

Market Trends

Prices Advanced

Corn oil, ¼c. per lb.
Peanut oil, ⅜c. per lb.
Soybean oil, ¼c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

Coconut oil, ½c. per lb.
Copra, $12.50 per ton.
Cottonseed oil, ⅛c. per lb.
Grease, ¼c. per lb.
Tallow, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
109.4	108.7	109.3	192.4

(For Current Prices see Page 9)

Cottonseed Oil

Bleachable cottonseed oil futures market was irregular last week and was under heavy hedging sales. Despite this selling pressure, net declines were narrow. Steadiness in grains and crude oil served to stimulate the market. Moderate improvement was reported in the demand for crude and sales took place at 10c. per pound, tankcars, f.o.b. Southeast and Valley and 9¾c., Texas.

Refined cottonseed oil consumption in October was indicated at 307,995 barrels, compared with 290,470 barrels in September and 380,115 barrels during October last year. Total disappearance, August-October inclusive, totaled 928,850 barrels, against 845,115 barrels for the same period last year. Visible supply of refined oil was estimated at 1,742,400 barrels, October 31, compared with 1,792,500 barrels, October 31, last year.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended December 2 follow:—

	Sales	Cents per pound High	Low	Close
December	239	12.43	12.02	12.28@12.35
January	...	....	....	12.30N
March	374	12.43	12.01	12.32—12.33S
May	639	12.45	12.01	12.32S
July	333	12.43	12.00	12.33@12.32S
September	197	12.20	11.80	12.14@12.16
October	18	11.95	11.75	11.95S

Total sales, 1,800 tankcars, including switches.

Memphis.—Better inquiry for crude cottonseed and soybean oils at 9¾c. per pound, tankcars, Valley, December-January shipment. Cottonseed meal was in good demand and steady at $62 per ton, Memphis. Cottonseed cake quoted at $56 per ton, Valley and $62.50 f.a.s. bulk, New Orleans. Cottonseed hulls named at $6 per ton, Memphis and $5, interior mill points.

Linseed Oil

Consumers continued to limit demand for linseed oil to less than carlot quantities last week. Interest in forward requirements was lacking. Oil delivery against current contracts was in fair request. Asking prices were unchanged. Raw oil was quoted at 17.30c. per pound, December-June delivery, zone 3. Recent tankcar trading was reported at 2 and 3 points per pound less, especially for January forward shipment.

Minneapolis.—Buyers, though not aggressive, managed to pick up a fair volume of linseed oil for immediate and nearby shipment as well as for the first quarter of 1950. Replacement purchases of oil, while small in individual cases, totaled rather large and crushers were doing a fair to good holiday season business. Large buyers in the paint, linoleum and specialty fields were taking oil for January-March in fair volume. Prices were wobbly with open market quoted at 16.7c. per pound but the inside price down to 16.5c. in many instances and at 16.4c. per pound for much of the oil sold for shipment after the turn of the year. Production continued at a high level with shipping orders in steady volume and much of the newly booked business on an urgent shipping basis.

Shipments of linseed oil, in pounds, were as follows:—

	1949-50	1948-49
This week	5,640,000	6,758,000
Since Sept. 1	133,220,000	101,538,000

Flaxseed—Trading fairly active at unchanged quotations. Offerings still limited.

Minneapolis.—Flaxseed buyers were active but not aggressive and prices were not quite as firm as they were a week ago on the Minneapolis Exchange. Best quality No. 1 northern flax brought $3.95 a bushel in the open market, occasional sales as high as $3.99 while the poorer grades ranged down to $3.80 per bushel. Arrive bids were as low as $3.75 a bushel but nothing was sold that low. Scattered sales on arrive basis were established at $3.95 and some for January-February shipment were at $3.99. There was a great deal of talk a week ago about pricing stored seed at Minneapolis on the basis of $3.99, plus storage charges to date, however, no action was taken and the stored flax was still intact as the week ended. Country offerings continued to decline and the amount of free seed in the market was rather limited, only a few scattered cars. The bulk of the light offerings applied against previous arrive purchases and some continued to move into store.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	283,900	259,000	67,000	571,200
Since Sept. 1	12,008,600	27,484,000	1,097,300	6,321,300

Other Vegetable Oils

Castor Dehydrated—Market remained steady, with tung oil. Demand was fair at unchanged quotations.

Coconut—This market was easier with copra. Crude oil was off ½c., and offered at 13⅝c. per pound, tankcars, Pacific coast, December, 13⅜c. January, and 13¼c. February.

Copra—Buying interest declined and the market was dropped $7.50 per ton. Immediate shipment was quoted at $177.50 per short ton, c.i.f. Pacific coast, for December.

Corn—Trading was spotty. Crude oil was firmer and sold at 10¼c. per pound, tankcars, f.o.b. tankcars, f.o.b. mills. Refined oil was steady at 13.40c. per pound, tankcars, New York delivery.

Peanut—Crude peanut oil was moved at 11c. per pound, tankcars, f.o.b. mills, with bids at ⅛c. less. Market was steady and scored a net gain of ⅜c. per pound. The government released peanuts for 25 tankcars of oil in the Southeast, last week, against 145 to 200 tankcars per week recently. Offerings became limited and demand also was reduced. Refined oil was firmer and reported sold at 14c. per pound, tankcars, New York delivery. Department of Agriculture announced marketing quota of 643,000 tons of 1950 crop peanuts and a national allotment of 2,100,000 acres, compared with 2,628,970 acres in 1949.

Soybean—Government buying kept this market strong and purchases of sizable quantities of crude oil were reported at 9⅞c. per pound, tankcars, f.o.b. mills, December and 9¾c. January shipment. Nearby delivery was sold at 10c.; January at 9¾c.; January-March was held at 9⅝c. Refined oil was held at 12¾c. per pound, tankcars, New York delivery. Soybean oil consumption in October totaled 403,500 barrels, against 341,145 barrels, September, and 298,585 barrels, October last year. Visible supply was estimated at 1,756,100 barrels at the end of October, against 1,-

For Late Market Developments, See Page 4

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Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended December 2 follow:—

	Sales	Cents per pound High	Low	Close
December	6	10.10	9.95	10.00@10.10
January	1	10.10	10.10	9.90@10.10
February	..	....	....	9.70N
March	6	9.70	9.50	9.65@ 9.70
April	..	....	....	9.65N
May	8	9.60	9.50	9.48@ 9.52
June	..	....	....	9.45N
July	1	9.25	9.25	9.20@ 9.40
August	..	....	....	9.30N
September	..	....	....	8.75@ 9.00
October	1	8.85	8.85	8.75@ 9.00
November	..	....	....	8.90N

Total sales, 23 tankcars.

Tung—Tight supply condition combined with improved demand, further strengthened this market last week. Nearby oil was scarce and trading was reported on the basis of 26½c. per pound, tankcars, New York basis. January-February was quoted nominally at 26¼c., same basis. Domestic oil also was firm and nominal at 26c. per pound, tankcars, f.o.b. southern mills.

Fats and Greases

Greases—Trading was fairly active at a reduction of ¼c. per pound, last week. Domestic buyers absorbed sizable quantities at the decline. Export inquiry was limited, except for choice white. Choice white was quoted at 6¼c. per pound, tankcars, delivered; yellow, 4¾c. and house, 4⅜c.

Lard—Trading was reported slow for domestic delivery. Market was unchanged. Cash lard was quoted at 10c. per pound, tierces, Chicago. Lard stocks totaled 13,056,868 pounds, November 30, compared with 18,282,254 pounds, November 1 and 31,469,020 pounds, November 30 last year.

Tallow—Market was easier and purchases of sizable quantities were made at a reduction of ¼c. per pound by soapmakers. Small lot buyers continued to pay premiums of at least of ¼c. for better grades. The higher grades were well held, while lower were unsettled. Export business was slow. Fancy was quoted at 6¼c. per pound, tankcars, delivered; extra, 6c. and special, 5¾c.

Animal Oils

Degras—Market remained firm for all grades. Trading was moderate chiefly for prompt requirements.

Grease Oils—Trading was fairly active for actual needs. All grades were held at former levels.

Neatsfoot Oil—Small lots moved in good volume for immediate delivery. Quotations were well held.

Oleo Oil—Prices were unchanged and steady. Extra oil was maintained at 16c. to 16½c. per pound, tierces, New York as to quantity.

Fish Oils

Cod—Demand was confined to small lots for immediate needs. Inquiry for replacements was moderate. Prices were unchanged and ranged from 9c. to 10c. per pound, drums, spot, as to quantity.

Fish—Refined grades were in quiet demand. Prices were unchanged and more steady reflecting the scarcity and firmness of crude. Offers of crude menhaden were light and quoted nominally at 6c. per pound, tankcars, f.o.b. works. Crude sardine oil was scarce, last sales reported at 6c. f.o.b. Pacific coast and 6½c. asked.

Los Angeles.—The market for sardine oil has been steady with last sales reported at 6c. per pound, f.o.b. San Pedro. All union controlled boats at San Pedro are still tied up and it is not expected that they will resume operations during the present dark period, the moon phase changing December 5. Reports from the Monterey Bay area reflect only light landings the past week with boats fishing in water considerably south of their usual areas in an effort to locate fish. No sales have been reported for tuna oil for two or three weeks; oil is very scarce and quoted nominally at 4.75c. per pound. Pilchard landings for the San Francisco, Monterey and San Pedro areas through November 28 totaled 219,240 tons compared to 84,405 tons for the same period last year.

Cake and Meal

Cottonseed Meal—There has been fairly active trading in both cake and meal mostly from domestic buyers. Loose slab cake was offered at $57 to $57.50 per ton f.o.b. Valley points, December-January shipment. Nearby shipments were offered at $58. Sacked cottonseed meal 41 percent quoted at $62.50 per ton basis Memphis; $64, basis Georgia, and $65 South Carolina points, December-January shipment. Meal 36 percent is $5 per ton less. There

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have been no large offerings of cottonseed meal from any point.

Linseed Meal—Trading was inactive, while deliveries against former contracts continued active.

Minneapolis.—Demand for meal flattened out at the $65 to $66 price and crushers were offering discounts of as much as $3 per ton for meal to be shipped after January 1. Shipping orders on maturing contracts were good, however, and meal movement from Minneapolis continued at an extremely high level.

Shipments of linseed meal, in pounds, were as follows:—

	1949-50	1948-49
This week	20,040,000	12,400,000
Since Sept. 1	262,210,000	203,320,000

Peanut Meal—Last week the government released peanuts to produce approximately 1,700 tons peanut meal, which is quite a reduction from the previous weeks. Domestic demand continued good, and there seems to be no surplus of meal on the market. Old process meal, 45 percent, was offered at $61 per ton, basis South Georgia and $60 South Alabama, December-January shipment. Exporters have not been quite as active in the market during the last week or ten days as earlier in the month. Most of the peanut meal now is being absorbed by local trade.

Soybean Meal—Trading has been fairly active, with 41 percent or 44 percent bulk soybean meal quoted at $62.50 per ton, Decatur basis, December forward shipment. Sacked meal, 44 percent, quoted at $65 per ton basis West Tennessee and 41 percent at $65 basis Mississippi Valley points, November, first half December. December-January was $1 per ton higher.

Waxes

Beeswax—Demand was reported light and spotty. Prices of crude and refined grades were maintained at current levels.

Candelilla—Market remained steady at the recent advance for spot and forward delivery. Business was restricted to actual needs. The Ministry of Economy, Mexico, has confirmed, in an official release, the procedure governing the exportation of candelilla wax. This material does not require an export permit. However, its exportation is effected through the Banco Nacional de Comercio Exterior, S. A., a semi-governmental agency. The quotas which the bank assigns to the various producers' unions associated with it are designed to restrict production and support export prices, since there is no domestic consumption. The unions receive a subsidy which is intended to discourage the exportation of candelilla wax by persons or groups other than those legally authorized.

Carnauba—Consuming inquiry was restricted to actual needs. Supplies on the spot were held at former levels. Replacements were also steady, and offers for shipment were maintained at floor levels.

Ouricury—Prices for refined on the spot were unchanged and well held.

Morse Retires from USDA

William J. Morse, known for his work in soybean development, retired November 30 after forty-two years in the Department of Agriculture. He came to the department in 1907, just at the time the bureau of plant industry was making plans to carry on research in the growing of this crop.

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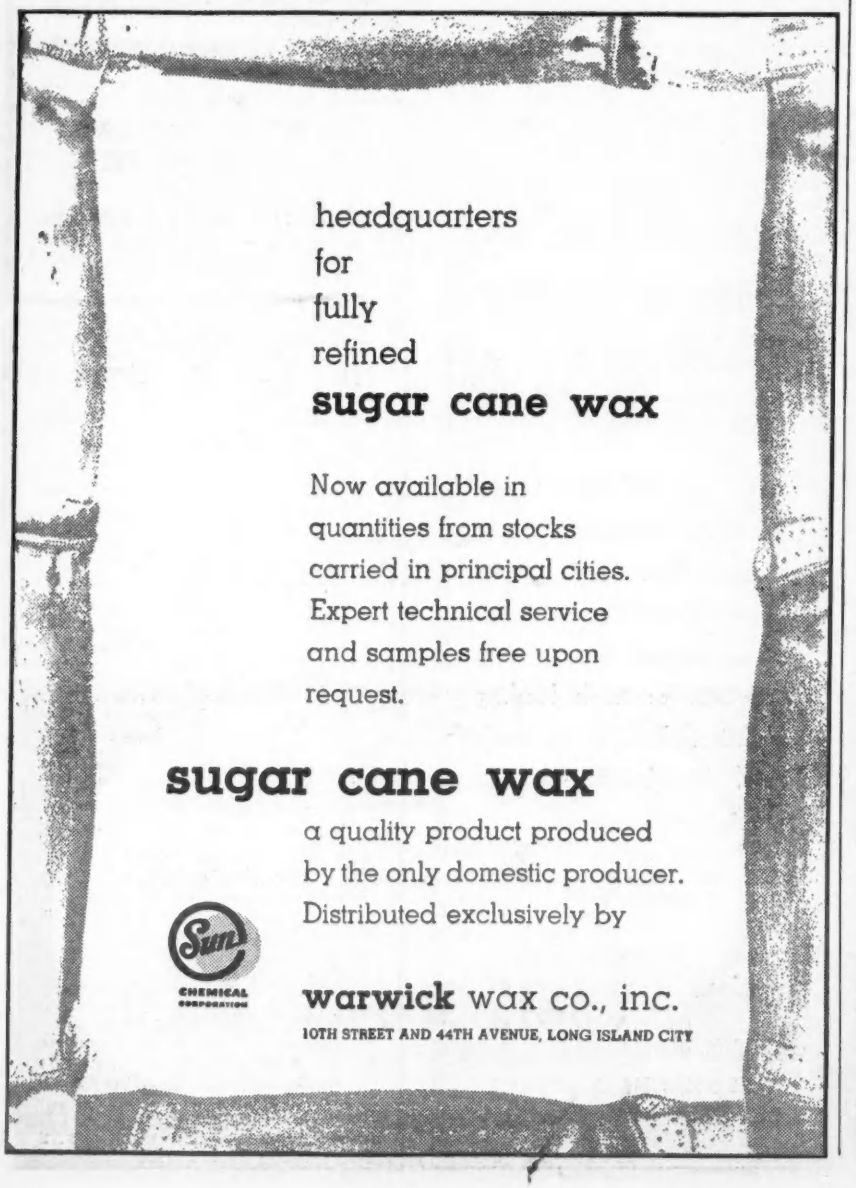

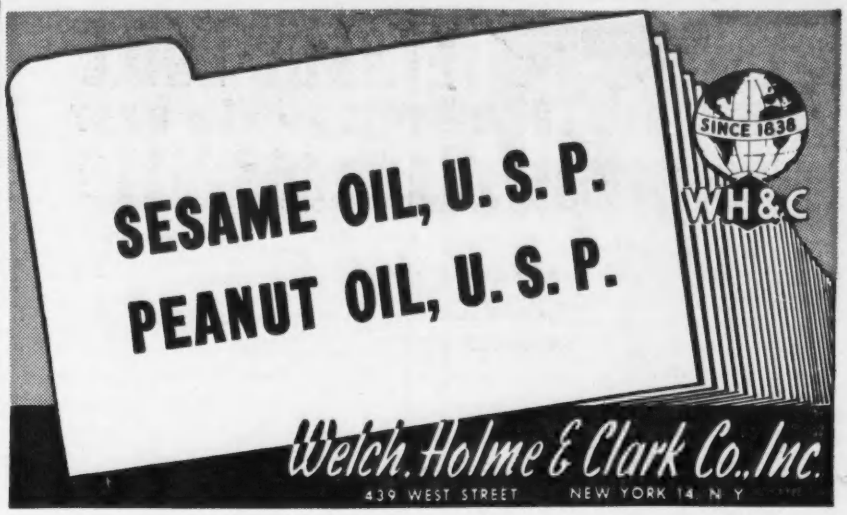

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2487	Stokes R3 Ceramic Type Tablet Press with motor.
2529	Colton Type 9AT Bushing Press; motorized.
2529W	Colton Type 9-18 Rotary Tablet Machines; motorized.
2675	Stokes Model DD Rotary Tablet Press.
2186	3 Stainless Steel 880 gal. Jacketed Tanks.
2879	5 S.S. Vac. Pans Jacketed and Unjktd. 3'x5' to 5'x8'.
2540	Mojonnier Copper Vac. Pan, 6'x16' with calandria.
2895	Vulcan Copper Rectifying Column 2'x36'; 50 plates.
2966	Zaremba Triple Effect Evaporator with auxiliaries.
2662	Pfaudler 2500 Gal. Vac. Pan with Stainless Coils.
9908	Two Aluminum and Copper 150 Gal. Vacuum Pans.
2416	NEW 150 Gal. Stainless Jacketed, Agitated Kettle.
2530	Bartlett & Snow Stainless Pan Dryer; 8' x 3' complete.
2755	Alberger Karbate Hydrochloric Acid Recovery System.
2897	Stokes Freeze-Dry System including No. 138H Vac. Dryer.
2877	Buflovak Atmospheric Double Drum Dryer; 32"x72" complete.
2499	Stokes Rotary Vac. Dryer 3'x5' with nickel contacts.
2729	Oliver United Dorrco Type Rot. Vac. Filter in Nickel.
2192	Oliver Rot. Vac. Filter in Steel; 6'x 44".
2789	Shriver 30" Cast Iron, Open Delivery Filter Press.
2886	6 36" Cast Iron, 45 Chamber Open Delivery Filter Presses.
2895	Tolhurst Stainless 12" Centrifugal Extractor; with 1/3 H.P. Motor.
2501	A.T.&M. Monel 30" Centrifuge.
2854	Sharples Centrifuge MLP5.
2927	Porter 11,000 lb. Dry Powder Mixers; 370 cu. ft. NEW.
2836	Wolf 4000 lb. Dry Ribbon Mixer.
2919	Screw Press, 12"x5'; 5 H.P. motor.
2755	Two Curb Presses 18"x36"; 24"x 36".
2487	Five Day Ro-Ball Sifters, 40"x120".

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2 Rotary Vacuum Dryers 7'6"x20' N. J.
3 Hersey Monel Dryers 6'x33' Ohio.
2 Louisville Steam Tube Dryers 6'x25' Ohio.
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Devine Vac. Shelf Dryer No. 23 S. C.
3 NEW Sperry 42" Alum. Filter Presses Ind.
4 Louisville Screw Dewatering Presses Ohio.
Porter 4000 lb. Stainless Tumbling Mixer N. J.
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8 A.T.&M. 60" Stainless Centrifugals with Vac. and Pressure Tight Curbs Conn.

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1—Sharples #16-V S.S. Centrifuge.
3—Sweetland Filters Nos. 12, 10, 2.
3—Sweetland Filters #2, stainless steel bodies and leaves.
2—Elmco S.S. 4'x6', 1½'x1' stainless steel Rotary Vacuum Filters.
3—Pfaudler 200-gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
10—Patterson, Abbe Pebble Mills, porcelain-lined 6'x8', 5'x6', 4'x5', 4½'x3½', 36"x12", 2'x3'.
3—Mikro Pulverizers 4TH, 2TH, 1SH.
10—Rotex, Ro-Ball Screeners, 40"x120", 40"x84", 40"x56".
1—Devine Vacuum Shelf Dryer, 59"x78" shelves.
2—Baker-Perkins 100 gal., 4½ gal. Jacketed Vacuum Mixers.
3—Baker-Perkins 150, 100, 50 gal. Jacketed Mixers, sigma blades.
2—Baker-Perkins Lab. 2 and 1 gal. S.S. Mixers.
8—Shriver, Sperry, 36", 32", 24" 12" C.I., P&F Filter Presses.
3—Knapp Can Labelers up to #10 cans.
2—Standard Knapp #229 Gluers, Sealers and Compression units.

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3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
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PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills.

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Kenrich Cuts Prices

Kenrich Corporation, manufacturing chemists, New York, has announced reductions on its line of "Kenflex" synthetic resinous hydrocarbons. The cuts amounted to approximately 25 percent on "Kenflex" A and about 15 percent each on "Kenflex" B and L. At the same time, the company stated that it had discontinued differentiating between electrical grades of low-power and non-electrical grades. Current production is said to be entirely of high electrical quality.

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1—6' x 4' Oliver ALL STAINLESS STEEL Top Feed ROTARY CONTINUOUS VACUUM FILTER. UNUSED—Never Installed. Intended to filter ammonium sulphate.
2—12" x 32" Brasington HIGH SPEED 3-ROLLER MILLS—2 speed motors.
2—No. 12 SWEETLAND PRESSURE FILTERS, 36 leaves on 4", also 72 on 2".
1—42" x 42" SHRIVER FILTER PRESS, Cast Iron, Plate and Frame, Open Delivery, 41 Chambers.
1—KILBY 39" x 39" cast iron FILTER PRESS, washing type, plate and frame, 47 chambers.
3—7,500 gal. STEEL KETTLES, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
2—900 gal. closed, jack., agit. STEEL KETTLES, 10 H.P. motors & drives.
1—2,000 gal. STEEL KETTLE, jack., open top, agit., 7' dia. x 7'6" deep.
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon.
1—VACUUM SHELF DRYER, 17 shelves, 40" x 43".
1—No. 4-TH MIKRO PULVERIZER. Rebuilt—immediate shipment.
2—200 gal. PATTERSON PEBBLE MILLS, Buhrstone-lined, 4' x 5'.
1—300 gal. PATTERSON HIGH CHROME MANGANESE BALL MILL, 54" x 54", jacketed, with drive and motor.
1—J. H. Day Aluminum Horiz. 1,000# DRY POWDER MIXER.
1—8' x 12' OLIVER ACID-PROOF FILTER, lead fitted.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—8' x 125' REEVES ROTARY KILN.
1—2' x 15' ROTARY KILN, experimental, complete.
2—6' x 12' ALLIS CHALMERS ROD MILLS.
1—ROTARY VACUUM DRYER, 5' x 33'.
1—#1 BANBURY MIXER, chrome plated rotors, with drive and 40 HP motor.
2—175 gallon HEAVY PASTE MIXERS.

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2—Stainless Steel Spray Towers, 33" x 17'.
1—Atm. Tray Dryer, 1,000 sq. ft.
2—Sharples #16V Super-Centrifuges, stainless steel, dual purpose bowl.
1—Ingersoll Rand bronze Centrif. Pump, 850 GPM @ 140', 40 HP motor—Unused.
2—Ing. Rand Bronze Centrif. Pumps, 200 GPM @ 230', 20 HP motor.
5—Duriron Centrif. Pumps, 80 GPM @ 45'.
1—Monel Jktd. & Agit. Vac. Reaction Kettle, 100 gal.
3—B8S Stainless Reaction Kettles, direct fired, heavy duty agitator—approx. 1,000 gal. cap.
3—Stainless Steel Tanks, 3,450 gal., vert., bolted top, 9' dia. x 7'3" high; coils.
2—Aluminum Storage Tanks, closed, 600 gal. & 1,000 gal.
3—Hevi-Duty electric furnaces, 750° C, 4 chambers each, 3⅓ cu. ft.
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5—Tub. Heat Exchangers, Steel, 31 sq. ft.
1—Struthers Wells Evaporator, 4' x 8', vert. unit, 100 sq. ft. tubes.
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1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
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1—Denver 4'x3' Rotary Vac. Filter.
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1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
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8—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
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8—Abbe Jar Mills, Lab. to 6 gal. sizes.
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Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
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6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
8—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Stedman #32 single roll crusher.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Peny Mixers, 2½ to 40 gals.
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10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
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3—Lehman 12"x30" Five Roller Mills
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3—Closed 3,450 Gal. Stainless Steel Tanks & Coils Type 347 S.S.
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1—New Glasscote 1,000 Gal. Jacketed Agitated Glass Lined Reactor.
1—New Pfaudler Glass Lined Reactor, 500 gals.
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1—Stainless Steel 2,500 gal. Vertical Tank with Agitator.
4—Vert. 8,000 gal. Stainless Steel Storage Tanks.
10—Horiz. Dry Powder Mixers 15# to 2,500#.
2—Mikro Pulverizers Model 2TH—10 H.P. 3 Phase Motors.
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* AGITATOR COMES KNOCK-DOWN—This saves storage space.

Write for information and prices.

WOODMAN AGITATOR, INC. • 15625 NORMANDY AVENUE CLEVELAND 11, OHIO

Obituaries

—Continued from page 4

He became president in 1924 and remained its head until it was sold in 1940.

Griffith H. Riddle

Griffith H. Riddle, president and research director of the Research Foundation, Inc., New York and Tucson, Ariz., died November 27 at his home in New York. He was best known for his basic work in minor element nutrition and in agriculture and related physical chemistry.

Charles N. Waterman

Charles N. Waterman, secretary and director of H. Kohnstamm & Co., chemical manufacturers, New York, died recently at his home in that city. He was sixty-three years old. He entered the firm as an office boy in 1908. Later he organized its export department and for many years directed the purchase of supplies and materials.

Ralph A. Barton, former general purchasing agent for the Armstrong Cork Company, Lancaster, Pa., died November 27 at his home. He was seventy years old.

John A. Mann, a pioneer in the linseed oil business in Buffalo, N. Y., died there November 29. He was ninety-one years old. Mr. Mann had been president of Mann Bros. Company, linseed crushers, which was dissolved in 1934. He had been an executive in several other linseed firms, dating back to 1882.

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1—Sperry Stainless Steel Filter Press, plate and frame, 12 chambers, 24" x 24".
1—Sperry Stainless Steel Filter Press, plate and frame, 15 chambers, 12" x 12".
2—Buflovak Vacuum Drum Dryers, 24" x 20".
2—Pfaudler Aluminum Jacketed Reactors, 250 and 1,300 gallons (new).
2—Buffalo Double Door Vacuum Shelf Dryers, 12 and 15 shelves.
5—Simpson No. 6 Intensive Mixers (new).
1—Sharples No. 18V Stainless Steel Centrifugal.
1—Bird 40" Suspended Type Centrifugal (Stainless Steel Basket).

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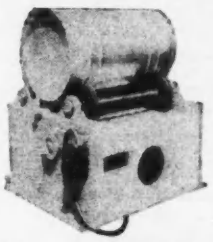

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Mikro Pulverizers, 1SH, stainless steel, 2TH, 3TH.
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Quaker City Hammer Mills—#20-#21.
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16x10 Crushing Rolls, Sturtevant.
2—Amer. Exhausters, 400E and 50 EES w/motor, No. 60 Clarage.
Spencer Turbo Blower 400 CFM, 16 oz. 150 CFM 24 oz. Other sizes available.
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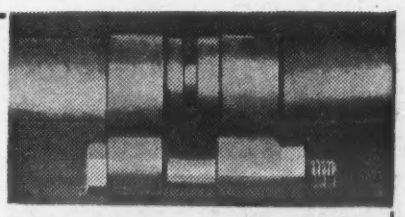
features Simple, Faster Closing Locking Ring!



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Basically proven because the idea embodied is identical with that used for bolted rings on ICC-17H drums. No loose nuts to fumble with. Perfectly engineered in every detail. And with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

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COPY DEADLINE—Wednesday Noon Preceding Date of Publication

AGENCIES OFFERED

Foreign manufacturers' representatives, located in New York, importing coal tar chemicals (crude naphthalene, cresylic acid, etc.); agricultural chemicals (potash salts, bone meal, spent bone black, etc.); other chemicals for textile, leather, glass and ceramic industries, etc., desire agents or distributors in various parts of U.S.A. State experience and other details. OPD 917.

EQUIPMENT OFFERED

One diesel generator unit, D.C., 45 HP; 3 plate type filter presses; 1 Am. Adams washing machine with 3 HP motor; 11 large steel tanks. All material in A-1 condition—reasonable. For information, contact R. Gruenwald, Narragansett Brewing Company, Cranston, R. I. Telephone Jackson 1-4000.

Stokes high vacuum pumps—212C, watercooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed. Price $349 each; quantity available; inspect. American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

EQUIPMENT WANTED

Wanted: Used single effect vertical evaporator, capacity 2,000 to 3,000 lbs. per hour at 120° F. maximum evaporating temperature, tubes 1½" minimum, heating surface 450-750 sq. ft., all contact parts of stainless steel, preferably type 316. OPD 905.

Mixing tanks wanted, open top steel jacketed for 60-80 lbs. steam pressure, with agitators, 600 gal. and 200 gal. capacity. Give full details. Northern Adhesives, Inc., 35 Hooper St., Brooklyn 11, N. Y. TRiangle 5-1658.

Autoclave jacketed and agitated, 300 gallons or more for at least 400 pounds internal and 100 pounds jacket pressure. Sparkler stainless, plain or jacketed, filter, 1 cu. ft. cake capacity. 40 inch or 42 inch rubberized centerslung 3 point suspension centrifuge. Send list of surplus equipment. F. Howard Mason, 480 Lexington Ave., New York, N. Y.

FACILITIES OFFERED

Custom grinding to micron sizes; Pharmaceuticals, food products, abrasives, chemicals, minerals, waxes and resins. Avoid capital expenditures and royalties while developing new product sales. Use our experienced technical staff—micronizing equipment—mixing, packaging and shipping facilities. OPD 886.

Chemical manufacturing facilities for fine organics, pharmaceuticals, chemical specialties, etc. Competent chemical supervision and control. OPD 910.

Facilities offered for mixing dry chemicals, carload and less carload. Also grinding, pulverizing, drying, screening and packing done. Experienced, capable, personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 921.

Chemical manufacturing facilities; blending, mixing, crushing and grinding to any fineness; any quantity; competent laboratory control. OPD 922.

FACILITIES OFFERED

Pharmaceutical laboratory: liquid pharmaceutical specialists with 30 years of pharmaceutical manufacturing "know-how." Call on us for your vitamin liquid preparations, etc. New formula development and present formula improvement our specialty. Write or phone for information, no obligation. U. N. Laboratories, 24 Horatio St., New York 14, N. Y. Phone ORegon 5-3569.

MATERIALS OFFERED

For sale: Contents of small aluminum paint plant and experimental laboratory. Paint, lacquer, synthetic resins, samples and partly used cans and drums. Various metal powders (including stainless steel, orrillion, others; some gold). Some empty drums. Assorted chemicals. No reasonable offer refused. OPD 913 or call Croton Falls (N. Y.) 848.

Carbazole—Standard grades of this chemical available to users. Requests for samples and additional information relative to prices, availability ,and properties should be addressed to OPD 915.

Extra quality domestic caseins—any quantity, any mesh. Erie Casein Dryers, 2c below current market prices. Erie Casein Dryers, Erie, Ill.; Gowrie, Ia.

Antimony salts—about 7,500 lbs. antimony salts, 65% antimony oxide, FOB Jersey City Warehouse. Wm. W. Stanley, 401 Broadway, N. Y.

MATERIALS WANTED

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots many items chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 920.

PLANTS WANTED

Wanted—Complete. plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Experienced lacquer and synthetic enamel formulator wanted by Connecticut manufacturer. Good opportunity for capable man. State qualifications fully and salary desired. Information held in strictest confidence. OPD 912.

Two export sales correspondents under 35 wanted by upstate ethical pharmaceutical manufacturer. Must have thorough practical background in export, ability to write fluently and clearly in English and in French. Experience in chemicals or pharmaceuticals desirable. Splendid opportunity, salary commensurate with experience and ability. OPD 916.

Salesmen, alkyd and phenolic resins. Nationally-known Eastern manufacturer of organic industrial chemicals requires salesmen experienced in selling alkyd and phenolic resins. State full details, giving experience, education, age, location preference, and salary requirements. Replies will be kept confidential. Write Box OPDR 507, 221 West 41st St., New York.

POSITIONS WANTED

Chemical sales executive, 35, personable, grounded industrial, agricultural markets (bulk consumer package). Sales, management, administration, promotion, advertising, product development, field research. Heavy experience fungicides, sanitizers, germicides, synthetic detergents, herbicides, emulsifiers, preservatives, resins, plastics, textile finishes, wetting agents, degreasers, rubber compounds, insecticides. Extensive contacts. Seeks responsible position with aggressive manufacturer, chemical or allied fields. OPD 908.

Chemical sales representative, 4 years' experience technical sales and service, seeks connection with surer future and opportunity for advancement. Now employed. Require 3 weeks' notice. Prefer Northeast location. OPD 911.

POSITIONS WANTED

Chemical sales engineer. Successful record in developing and promoting sales and new markets, research and development, business. Desires position in marketing and developing sales of chemical products. B.Ch.E., 1939. Age 31. OPD 914.

PRODUCTS WANTED

Wanted: Products of merit to sell to textile processors, tanners, paper mills, fur dressers and dyers. Will purchase manufacturing formulae or arrange royalty payments. Must stand close scrutiny. Advertiser responsible. OPD 919.

BIOCHEMISTS AND BACTERIOLOGISTS

Nationally known manufacturer of fine chemicals and pharmaceuticals has openings for Biochemists and Bacteriologists to work on problems associated with fermentation research, antibiotics, hormones, vitamins, etc. Excellent opportunities in an expanding research department. Ph.D.s preferred, however, will consider M.S.s with qualified experience. Location—Metropolitan New York. Write giving resume including age, salary requirements, etc. Box 923, Oil, Paint and Drug Reporter.

WILL REDISTILL OR PURCHASE

Waste Solvents of all Kinds

Dopes-Lacquers-Thinners-Solutions-Aromatics and other products requiring

Straight, factional, high, low temperature, atmospheric, high vacuum distillation

Chemical Service Corporation

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SAVE FREIGHT

Chemical Firm with plants in St. Louis and Los Angeles has facilities available for Eastern Company.

Manufacturing, Formulation, Packaging and Chemical Control, for Liquids, Powders, Emulsions, Pastes.

Railroad sidings, Tankage, and in St. Louis Barge connections for Receiving and shipping.

Packaging 1 oz. to Tank cars or Barge loads.

Write Box 918, Oil, Paint and Drug Reporter

Essential Oils

—*Continued from page 63*

dealers away from stocking ocotea cymbarum from Brazil. Consequently, the withdrawal of some from merchandizing the Brazilian product has brought an automatic price rise and late last week the spot market seemed to be 70c. to 95c. per pound, quoted over that range according to dealer. Demand was small. Lessened consumption has curbed imports and stocks at present are limited.

Orange—The few who stock Italian oil have had the advantage of a lowered replacement cost and last week the spot price was reduced to $2.45 per pound, minimum. Maximum still was $5.50. The stock of Italian oil was called good, possibly only by comparison with demand for any oil at such prices. Domestic oil was available in ample quantities and demand was satisfied mainly from oil of that origin. California oil was priced at 60c. to $1 per pound and Floridian oil was obtainable at 42c. to $1.

Patchouli—Prices were reported still rising at the source. Scarcity on spot also increased and numerous normal suppliers lacked stocks. The situation had become so strong that oil made in this country was quoted on the open market at $24 per pound. Imported material was higher in price, standing at $18.50 to $22 and always subject to confirmation.

Peppermint—The view that farmers who hold the balance of the 1949 crop are in a position to hold what remains for higher prices. In fact, one spot quarter ventured the opinion that spot quotations were apt to advance after the turn of the year. Most quarters have already upped their prices from the recent minimum quotations but last week the range on natural was still $5 to $6.25 per pound and redistilled was $5.40 to $6.55. Demand was called steady in most directions.

Spearmint — Demand was reported steady. Some reports suggested that some at the origin had attempted to raise quotations but the major opinion on spot was that such attempts would not succeed. Local quotations were $3.10 to $4.10 per pound but several quarters called the market inside with them at $3.40.

Wormseed—Spot quotations were advanced to $3.60 to $4.25 per pound, the rise coming at both ends of the range. Some called the market very strong. Others said it was "pretty tight" and that not much was being offered from the source.

Wormwood — Spot quotations ranged $6.25 to $6.40 per pound. The minimum price was lower than it had been and the quarter recently quoting the lowest price in the market—$6.40 per pound—last week was down to the $6.25 basis. Demand was entirely routine and of a sort making competition not unlikely.

Aromatic Chemicals

Citral—Production costs have risen parallel with the advance in raw materials and some quarters refused business under $5 per pound last week.

Eugenol—The recent price trend in raw material has been downward without having gone far enough to bring the competition needed to revise quotations downward on the derived product. The market on eugenol was still $2.05 to $2.75 per pound last week.

Linalool—Raw material costs were still upward in tendency although they lacked change during the past week. Demand was reported rather moderate most of the time but was about level with the call encountered during the past fortnight or two.

Musk—Conditions with respect to raw material supply have not worsened sufficiently to bring a pinch sufficient to find reflection in the output of synthetic material. In natural musk, however, the situation was one entirely committed to the higher cost of replacement and the increase in difficulties anent shipping further supplies from the origin.

Imports at U.S. Ports

—*Continued from page 57*

Boston

BONES, CRUSHED—924 bgs, E J Lang & Co, Yvonne, Rio de Janeiro
CASEIN—313 bgs, American British Chemical Supplies, American Ranger, Havre
GLYCERIN—38 dms, National Shawmut Bank, Boston, Alwaki, Rotterdam
MICA—33 cs, Eugene Munsell Co, Wideawake, Rio de Janeiro
NAPHTHALENE—1,230 bgs, T D Downing Co, American Jurist, Rotterdam
1,000 bgs, Fallek Products Co, American Jurist, Antwerp
1,500 bgs, Alwaki, Antwerp
SEEDLAC—200 bgs, Mac Lac Co, Steel Chemist, Calcutta
SHELLAC—20 cs, F H Paul & Stein Bros, Alwaki, Hamburg
34 bgs, F H Paul & Stein Bros, Alwaki, Hamburg
SODIUM SULPHATE—400 bgs, F W Berk & Co, Alwaki, Antwerp
TAPIOCA FLOUR—380 bgs, Geismar & Co, Wideawake, Santos

Houston

CINNAMON QUILLS—100 bls, Mincing Trading Corp, Steel Chemist, Colombo
55 bls, Volkart Bros, Inc, Steel Chemist, Galle

Los Angeles

CINNAMON QUILLS—40 bls, Hismoco Co, Steel Designer, Colombo
FLEASEED—10 bgs, D M Hatton Co, President Jefferson, Marseilles

New Orleans

KYANITE ORE—75 tons, Harry H Davidson Co, Steel Chemist, Calcutta
SEEDLAC—300 bgs, Mac Lac Co, Steel Chemist, Calcutta
200 bgs, Schwab Bros Corp, Steel Chemist, Calcutta
SHELLAC WAX—28 bgs, William Zinsser & Co, Steel Chemist, Calcutta

Newport News

PEATMOSS—1,700 bls, W M Stone & Co, Alwaki, Bremen

Norfolk

FERTILIZER—563 bgs, S C Jett, American Packer, London
MANGANESE ORE—500 tons, Phillip Bros Co, Excelsior, Bombay
2,246 tons, E J Lavino & Co, Clan Allan, Durban
MICA—137 cs, Eugene Munsell & Co, American Packer, London
PEATMOSS—50 bls, Alwaki, Rotterdam

Philadelphia

BONES, CRUSHED—2,700 bgs, Baugh & Sons Co, Mormacstar, Buenos Aires
GRIST—1,000 bgs, Philadelphia National Bank, Stockholt, Rio de Janeiro
CLAY—2,773 tons, English China Clay Sales Corp, Point Aconi, Fowey
2,530 tons, Paper Makers Import, Inc, Point Aconi, Fowey
2,750 tons, Moore & Munger, Inc, Point Aconi, Fowey
183 tons, John Higman Co, Point Aconi, Fowey
COD LIVERS—76 dms, Silmo Chemical Co, Fort Avalon, Corner Brook
GLYCERIN, DYNAMITE—1,015,454 lbs, C J Shellings Co, Bowgran, Buenos Aires
SOAPLYE—1,070,436 lbs, C J Shellings Co, Bowgran, Buenos Aires
GYPSUM, CRUDE—6,083 tons, U S Gypsum Co, Gypsum King, Hantsport
HOPS—209 bls, B H Shallus Co, Examiner, Trieste
LEAD BALLAST—150,000 kilos, Charles Kurz Co, Tudor, Nagoya
ELECTROLYTIC—90.791 kilos, American Lead Co, Laila Dan, Callao
PLUMB—444,185 lbs, Tudor, Kobe
88,185 lbs, Charles Kurz Co, Tudor, Kobe
SCRAP—441,858 lbs, National City Bank of New York City, Pioneer Bay, Yokohama
220,461 pcs, American Union Transport Co, Tudor, Yokohama
VIRGIN—24,102 pcs, Philipp Bros Co, Srbija, Rijeka
LICORICE ROOT—1,713 pkgs, Guaranty Trust Co, Kristina Thorden, Leningrad
MANGANESE ORE—9,600 tons, E J Lavino & Co, Digby County, Takoradi
9,270 tons, E J Lavino & Co, Shahrokh, Vizugapatam
NEATSFOOT OIL—151 dms, Reilly Whitman Co, Mormacstar, Buenos Aires
PETROLEUM, CRUDE—184,437 bbls, Gulf Oil Corp, Kuwait, Mena Al Ahmadi
110,660 bbls, Gulf Oil Corp, Gulfhaven, Mena Al Ahmadi
91,623 bbls, Socony Vacuum Oil Corp, Mosil, Covenas
131,319 bbls, H G Schand Co, Olympic Games, Mena Al Ahmadi
112,792 bbls, Texas Oil Co, Grand River, Ras Tanura
120,504 bbls, Atlantic Refining Co, Atlantic Importer, Pamatacual
117,437 bbls, Gulf Oil Corp, Gulfvictor, Puerto La Cruz
112,328 bbls, Gulf Oil Corp, Gulfkey, Mena Al Ahmadi
114,791 bbls, Socony Vacuum Oil Co, Ivy, Mena Al Ahmadi
135,558 bbls, Atlantic Refining Co, Robert C Tuttle, Puerto La Cruz
192,907 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
121,761 bbls, Socony Vacuum Oil Corp, Stony Point, Covenas

San Francisco

CASSIA—84 bls, Internatio Rotterdam, Inc, Olga Maersk, Hong Kong
100 bls, H C Paulo & Sons Co, Marine Snapper, Hong Kong
50 bls, Van Norden & Archibald Co, Marine Snapper, Hong Kong
100 bls, S L Jones Co, Marine Snapper, Hong Kong
COPRA—3,000 tons, Pacific Vegetable Oil Co, Vilja, Cebu
1,000 tons, Pacific Vegetable Oil Co, Marine Snapper, Singapore
1,250 tons, El Dorado Oil Works, Olga Maersk, Tacloban
OIL CAKE MEAL—3,600 bgs, Balfour Guthrie Co, Vilja, Cebu
GYPSUM ROCK—8,912 tons, Kaiser Gypsum Co, Permanente Silverbow, San Marcos Island
HONTAKA CHILLIES—100 bgs, M S Cowen & Co, Trade Wind, Yokohama
20 bgs, Pan Asiatic Trading Co, Trade Wind, Yokohama
LIVERMEAL—1,080 bgs, Willits & Co, Waihemo, Lyttelton
448 bgs, Harper Robinson & Co, Waihemo, Lyttelton
ORE-DROSS—19 dms, American Smelting & Refining Co, Olga Maersk, Manila
PEPPER, BLACK—78 bgs, Mincing Trading Co, Lakonia, Liverpool
SAL AMMONIAC—1,120 bgs, Chemical Manufacturing Co, Pacific Exporter, Manchester
WOOL GREASE—54 dms, Bentley Trading Corp, Lakonia, Liverpool